

SCORE Search Results Details for Application 10516759 and Search Result 20101117_144529_us-10-516-759a-14_copy_24_81.ra.

Score Home	Retrieve Application	SCORE System	SCORE	Comments /
Page	List	Overview	FAQ	Suggestions

This page gives you Search Results detail for the Application 10516759 and Search Result 20101117_144529_us-10-516-759a-14_copy_24_81.ra.

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OM protein - protein search, using sw model

Run on: November 17, 2010, 15:03:21 ; Search time 16 Seconds
(without alignments)
1034.804 Million cell updates/sec

Title: US-10-516-759A-14_COPY_24_81
Perfect score: 350
Sequence: 1 DIKHNRPRRDCAEGKVCDP.....RNYSRGGVCVTHCNFLNGEP 58

Scoring table: BLOSUM62
Gapop 10.0 , Gapext 0.5

Searched: 1668452 seqs, 279819459 residues

Total number of hits satisfying chosen parameters: 1668452

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 150 summaries

Database : Issued_Patents_AA:*
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3: /ABSS/Data/CRF/ptodata/2/iaa/7_COMB.pep:*
4: /ABSS/Data/CRF/ptodata/2/iaa/H_COMB.pep:*
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6: /ABSS/Data/CRF/ptodata/2/iaa/RE_COMB.pep:*
7: /ABSS/Data/CRF/ptodata/2/iaa/backfiles1.pep:*

SUMMARIES

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2	350	100.0	1342	1	US-07-978-895-4	Sequence 4, Appli
3	350	100.0	1342	1	US-08-484-438-9	Sequence 9, Appli

4	350	100.0	1342	1	US-08-473-119-4	Sequence 4, Appli
5	350	100.0	1342	1	US-08-475-352-4	Sequence 4, Appli
6	350	100.0	1342	2	US-09-170-699-4	Sequence 4, Appli
7	350	100.0	1342	3	US-10-207-498-2	Sequence 2, Appli
8	350	100.0	1342	3	US-11-406-679-2	Sequence 2, Appli
9	350	100.0	1342	3	US-10-503-486-6	Sequence 6, Appli
10	350	100.0	1342	3	US-10-563-888A-2	Sequence 2, Appli
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118	165	47.1	1255	2	US-08-466-680B-68	Sequence 68, Appl
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ALIGNMENTS

RESULT 1

US-11-209-187-3

; Sequence 3, Application US/11209187

; Patent No. 7449559

; GENERAL INFORMATION:

; APPLICANT: CSIRO Molecular and Health Technologies

; TITLE OF INVENTION: Truncated EGF Receptor

; FILE REFERENCE: 502897

; CURRENT APPLICATION NUMBER: US/11/209,187

; CURRENT FILING DATE: 2007-08-08

; NUMBER OF SEQ ID NOS: 4

; SOFTWARE: PatentIn version 3.3

; SEQ ID NO 3

; LENGTH: 624

; TYPE: PRT

; ORGANISM: Homo sapiens

US-11-209-187-3

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Best Local Similarity 100.0%;
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 464 DIKHNRRPRDCVAEGKVC DPLCSSGGCGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 521

RESULT 2

US-07-978-895-4

; Sequence 4, Application US/07978895

; Patent No. 5480968

; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/978,895

; FILING DATE: 19921110

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1342 amino acids

; TYPE: AMINO ACID

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-07-978-895-4

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Best Local Similarity 100.0%;

Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 3

US-08-484-438-9

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; Sequence 9, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
;   APPLICANT: Flowman, Gregory D.
;   APPLICANT: Culouscou, Jean-Michel
;   APPLICANT: Shoyab, Mohammed
;   APPLICANT: Siegall, Clay B.
;   APPLICANT: Hellstr m, Ingegerd
;   APPLICANT: Hellstr m, Karl E.
;   TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
;   NUMBER OF SEQUENCES: 42
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: Pennie & Edmonds
;     STREET: 1155 Avenue of the Americas
;     CITY: New York
;     STATE: New York
;     COUNTRY: U.S.A.
;     ZIP: 10036-2711
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/08/484,438
;     FILING DATE: 07-JUN-1995
;     CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: 08/323,442
;     FILING DATE: 14-OCT-1994
;     APPLICATION NUMBER: US 08/150,704
;     FILING DATE: 10-NOV-1993
;     CLASSIFICATION: 530
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US 07/981,165
;     FILING DATE: 24-NOV-1992
;     CLASSIFICATION: 530
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Misrock, S. Leslie
;     REGISTRATION NUMBER: 18,872
;     REFERENCE/DOCKET NUMBER: 5624-230
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (212) 790-9090
;     TELEFAX: (212) 869-8864/9741
;     TELEX: 66141 PENNIE
;   INFORMATION FOR SEQ ID NO: 9:
;     SEQUENCE CHARACTERISTICS:
;     LENGTH: 1342 amino acids
;     TYPE: amino acid

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; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-473-119-4

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Best Local Similarity 100.0%;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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RESULT 5

US-08-475-352-4

; Sequence 4, Application US/08475352

; Patent No. 5916755

; GENERAL INFORMATION:

; APPLICANT: Kraus, Matthias H.

; APPLICANT: Aaronson, Stuart A.

; TITLE OF INVENTION: AN ISOLATED POLYPEPTIDE RELATED TO THE

; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR, ANTIGEN THERETO, AND

; TITLE OF INVENTION: BIOASSAYS AND METHODS RELATED THERETO

; NUMBER OF SEQUENCES: 12

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Suite 400

; STREET: 133 Carnegie Way, N.W.

; CITY: Atlanta

; STATE: Georgia

; COUNTRY: U.S.A.

; ZIP: 30303

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/475,352

; FILING DATE:

; CLASSIFICATION:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/978,895

; FILING DATE:

; APPLICATION NUMBER: US 07/444,406

; FILING DATE: 01-DEC-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Perryman, David G.

; REGISTRATION NUMBER: 33,438

; REFERENCE/DOCKET NUMBER: 1414-028

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (404) 688-0770

; TELEFAX: (404) 688-9880

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1342 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

Query Match 100.0%; Score 350; DB 2; Length 1342;
 Best Local Similarity 100.0%;
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 483 DIKHNRRRDCVAEGKVCDDLPCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 540

RESULT 7

US-10-207-498-2

; Sequence 2, Application US/10207498
 ; Patent No. 7125680
 ; GENERAL INFORMATION:
 ; APPLICANT: Elizabeth Singer
 ; APPLICANT: Ralf Landgraf
 ; APPLICANT: Dennis J. Slamon
 ; APPLICANT: David Eisenberg
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
 ; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
 ; FILE REFERENCE: 30448.103-US-U1
 ; CURRENT APPLICATION NUMBER: US/10/207,498
 ; CURRENT FILING DATE: 2002-07-29
 ; PRIOR APPLICATION NUMBER: 60/308,431
 ; PRIOR FILING DATE: 2001-07-27
 ; NUMBER OF SEQ ID NOS: 24
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 1342
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-207-498-2

Query Match 100.0%; Score 350; DB 3; Length 1342;
 Best Local Similarity 100.0%;
 Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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 Db 483 DIKHNRRRDCVAEGKVCDDLPCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 540

RESULT 8

US-11-406-679-2

; Sequence 2, Application US/11406679
 ; Patent No. 7314916
 ; GENERAL INFORMATION:
 ; APPLICANT: Elizabeth Singer
 ; APPLICANT: Ralf Landgraf
 ; APPLICANT: Dennis J. Slamon
 ; APPLICANT: David Eisenberg
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
 ; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
 ; FILE REFERENCE: 30448.103-US-U1
 ; CURRENT APPLICATION NUMBER: US/11/406,679
 ; CURRENT FILING DATE: 2006-04-19
 ; PRIOR APPLICATION NUMBER: US/10/207,498

```
Query Match      100.0%; Score 350; DB 3; Length 1342;
Best Local Similarity 100.0%;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 DIKHNRRPRDCVAEGKVCPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
|||
Db 483 DIKHNRRPRDCVAEGKVCPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 540

```

US-10-503-486-6
; Sequence 6, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 6
; LENGTH: 1342
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-6

```

```
Query Match      100.0%; Score 350; DB 3; Length 1342;
Best Local Similarity 100.0%;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

Qy 1 DIKHNRRPRDCVAEGKVCPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
|||
Db 483 DIKHNRRPRDCVAEGKVCPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 540

US-10-563-888A-2
; Sequence 2, Application US/10563888A
; Patent No. 7531649
; GENERAL INFORMATION:
; APPLICANT: Chi-Hong B. Chen

```
; APPLICANT: Ralf Landgraf
; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTOR-3
; FILE REFERENCE: 30448108USWO
; CURRENT APPLICATION NUMBER: US/10/563,888A
; CURRENT FILING DATE: 2006-01-09
; PRIOR APPLICATION NUMBER: 60/488,679
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: PCT/US04/23039
; PRIOR FILING DATE: 2004-07-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1342
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-563-888A-2
```

```
Query Match          100.0%; Score 350; DB 3; Length 1342;
Best Local Similarity 100.0%;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 DIKHNRPRRDCVAEGKVCDDLCSGGGCGGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
        |||
Db      483 DIKHNRPRRDCVAEGKVCDDLCSGGGCGGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 540
```

RESULT 11

5183884-4

;Patent No. 5183884

```
; APPLICANT: KRAUS, MATTHIAS H.;AARONSON, STUART A.
; TITLE OF INVENTION: DNA SEGMENT ENCODING A GENE FOR A
;RECEPTOR RELATED TO THE EPIDERMAL GROWTH FACTOR RECEPTOR
; NUMBER OF SEQUENCES: 5
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/444,406
; FILING DATE: 01-DEC-1989
;SEQ ID NO:4:
; LENGTH: 1343
5183884-4
```

```
Query Match          100.0%; Score 350; DB 7; Length 1343;
Best Local Similarity 100.0%;
Matches 58; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 DIKHNRPRRDCVAEGKVCDDLCSGGGCGGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
        |||
Db      484 DIKHNRPRRDCVAEGKVCDDLCSGGGCGGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 541
```

RESULT 12

US-09-949-016-8022

```
; Sequence 8022, Application US/09949016
; Patent No. 6812339
; GENERAL INFORMATION:
; APPLICANT: VENTER, J. Craig et al.
; TITLE OF INVENTION: POLYMORPHISMS IN KNOWN GENES ASSOCIATED
```

```

; TITLE OF INVENTION: WITH HUMAN DISEASE, METHODS OF DETECTION AND USES THEREOF
; FILE REFERENCE: CL001307
; CURRENT APPLICATION NUMBER: US/09/949,016
; CURRENT FILING DATE: 2000-04-14
; PRIOR APPLICATION NUMBER: 60/241,755
; PRIOR FILING DATE: 2000-10-20
; PRIOR APPLICATION NUMBER: 60/237,768
; PRIOR FILING DATE: 2000-10-03
; PRIOR APPLICATION NUMBER: 60/231,498
; PRIOR FILING DATE: 2000-09-08
; NUMBER OF SEQ ID NOS: 207012
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 8022
; LENGTH: 1360
; TYPE: PRT
; ORGANISM: Human
US-09-949-016-8022

```

```

Query Match          100.0%; Score 350; DB 2; Length 1360;
Best Local Similarity 100.0%;
Matches   58; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

```

```

Qy      1 DIKHNRPRRDCVAEGKVCDDLPCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
          |||
Db      501 DIKHNRPRRDCVAEGKVCDDLPCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 558

```

RESULT 13

US-10-159-353B-2

```

; Sequence 2, Application US/10159353B
; Patent No. 7390632
; GENERAL INFORMATION:
; APPLICANT: Maible, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maible
; CURRENT APPLICATION NUMBER: US/10/159,353B
; CURRENT FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-159-353B-2

```

```

Query Match          96.6%; Score 338; DB 3; Length 562;
Best Local Similarity 100.0%;
Matches   56; Conservative   0; Mismatches   0; Indels   0; Gaps   0;

```

```

Qy      1 DIKHNRPRRDCVAEGKVCDDLPCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNG 56
          |||
Db      483 DIKHNRPRRDCVAEGKVCDDLPCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNG 538

```

RESULT 14

US-12-018-610-2

```
; Sequence 2, Application US/12018610
; Patent No. 7612042
; GENERAL INFORMATION:
; APPLICANT: Maihle, Nita
; APPLICANT: Lee, Hakjoo
; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and
; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble
; TITLE OF INVENTION: ErbB3
; FILE REFERENCE: 01-03Maihle
; CURRENT APPLICATION NUMBER: US/12/018,610
; CURRENT FILING DATE: 2008-01-23
; PRIOR APPLICATION NUMBER: US/10/159,353B
; PRIOR FILING DATE: 2002-05-31
; PRIOR APPLICATION NUMBER: US 09/676,380
; PRIOR FILING DATE: 2000-09-29
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-610-2
```

```
Query Match          96.6%; Score 338; DB 3; Length 562;
Best Local Similarity 100.0%;
Matches 56; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 DIKHNRPRRDCVAEGKVCDFLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNG 56
        |||||||
Db      483 DIKHNRPRRDCVAEGKVCDFLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNG 538
```

RESULT 15

US-12-018-515B-2

```
; Sequence 2, Application US/12018515B
; Patent No. 7638302
; GENERAL INFORMATION
; APPLICANT: Maihle, Nita
; TITLE OF INVENTION: Soluble ErbB3 Receptor Isoforms
; FILE REFERENCE: 07-273 CONT
; CURRENT APPLICATION NUMBER: US/12/018,515B
; CURRENT FILING DATE: 2009-02-27
; PRIOR APPLICATION NUMBER: US 10/159,353
; PRIOR FILING DATE: 2002-05-31
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 2
; LENGTH: 562
; TYPE: PRT
; ORGANISM: Homo sapiens
US-12-018-515B-2
```

```
Query Match          96.6%; Score 338; DB 3; Length 562;
```

Best Local Similarity 100.0%;
 Matches 56; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRPRRDCVAEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNG 56
 |||
 Db 483 DIKHNRPRRDCVAEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNG 538

RESULT 16

US-12-144-166-2

; Sequence 2, Application US/12144166

; Patent No. 7638303

; GENERAL INFORMATION:

; APPLICANT: Maihle, Nita

; APPLICANT: Lee, Hakjoo

; TITLE OF INVENTION: System and Method to Inhibit Heregulin Activated Processes and

; TITLE OF INVENTION: Other Methods Using Soluble ErbB3 and Method to Produce Soluble

; TITLE OF INVENTION: ErbB3

; FILE REFERENCE: 01-03Maihle

; CURRENT APPLICATION NUMBER: US/12/144,166

; CURRENT FILING DATE: 2008-06-23

; PRIOR APPLICATION NUMBER: US/10/159,353B

; PRIOR FILING DATE: 2002-05-31

; PRIOR APPLICATION NUMBER: US 09/676,380

; PRIOR FILING DATE: 2000-09-29

; NUMBER OF SEQ ID NOS: 8

; SOFTWARE: PatentIn version 3.2

; SEQ ID NO 2

; LENGTH: 562

; TYPE: PRT

; ORGANISM: Homo sapiens

US-12-144-166-2

Query Match 96.6%; Score 338; DB 3; Length 562;

Best Local Similarity 100.0%;

Matches 56; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 DIKHNRPRRDCVAEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNG 56
 |||
 Db 483 DIKHNRPRRDCVAEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNG 538

RESULT 17

US-10-119-288A-41

; Sequence 41, Application US/10119288A

; Patent No. 7638598

; GENERAL INFORMATION:

; APPLICANT: Greene, Mark

; APPLICANT: Zhang, Hongtao

; APPLICANT: Murali, Ramachandran

; APPLICANT: Richter, Mark

; APPLICANT: Berezov, Alan

; APPLICANT: Liu, Qingdu

; APPLICANT: Chen, Jinqiu

; TITLE OF INVENTION: ErbB INTERFACE PEPTIDOMIMETICS AND METHODS OF USE THEREOF

; FILE REFERENCE: 4040/1K397-US1

; CURRENT APPLICATION NUMBER: US/10/119,288A

```
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/282,037
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-119-288A-41
```

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Query Match          75.7%; Score 265; DB 3; Length 147;
Best Local Similarity 100.0%;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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```
Qy          16 KVCDP LCSSGGCGWGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
             |||
Db          1 KVCDP LCSSGGCGWGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 43
```

RESULT 18

```
US-10-213-292-41
; Sequence 41, Application US/10213292
; Patent No. 7662374
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: Zhang, Hongtao
; APPLICANT: Richter, Mark
; APPLICANT: Murali, Ramachandran
; TITLE OF INVENTION: MONOCLONAL ANTIBODIES TO ACTIVATED erbB FAMILY MEMBERS
; TITLE OF INVENTION: AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 4040/1K396-US1
; CURRENT APPLICATION NUMBER: US/10/213,292
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 41
; LENGTH: 147
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-213-292-41
```

```
Query Match          75.7%; Score 265; DB 3; Length 147;
Best Local Similarity 100.0%;
Matches 43; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy          16 KVCDP LCSSGGCGWGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
             |||
Db          1 KVCDP LCSSGGCGWGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 43
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RESULT 19

US-10-362-380-4
; Sequence 4, Application US/10362380
; Patent No. 7332579
; GENERAL INFORMATION:
; APPLICANT: GENENTECH, INC.
; APPLICANT: Gerritsen, Mary
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: ErbB4 ANTAGONISTS
; FILE REFERENCE: 39766-0072 US
; CURRENT APPLICATION NUMBER: US/10/362,380
; CURRENT FILING DATE: 2003-08-06
; PRIOR APPLICATION NUMBER: 60/229,679
; PRIOR FILING DATE: 2000-09-01
; PRIOR APPLICATION NUMBER: 60/265,516
; PRIOR FILING DATE: 2001-01-31
; PRIOR APPLICATION NUMBER: 09/940,101
; PRIOR FILING DATE: 2001-08-27
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 4
; LENGTH: 615
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-362-380-4

Query Match 60.6%; Score 212; DB 3; Length 615;
Best Local Similarity 60.7%;
Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCVAEGKVC DPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
: | : | | | : | | | | | | | | | | : | | : | : |
Db 462 IRDNKRAENCTAEGMVCNHLCSSDGCWGPDPQCLSCRRFSRGRICIESCNLYDGE 517

RESULT 20

US-11-209-187-4
; Sequence 4, Application US/11209187
; Patent No. 7449559
; GENERAL INFORMATION:
; APPLICANT: CSIRO Molecular and Health Technologies
; TITLE OF INVENTION: Truncated EGF Receptor
; FILE REFERENCE: 502897
; CURRENT APPLICATION NUMBER: US/11/209,187
; CURRENT FILING DATE: 2007-08-08
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 4
; LENGTH: 626
; TYPE: PRT
; ORGANISM: Homo sapiens

US-11-209-187-4

Query Match 60.6%; Score 212; DB 3; Length 626;
Best Local Similarity 60.7%;
Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCVAEGKVC DPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57

Db 462 IRDNRKAENCTAEGMVCNHLCSSDGCWGPDPQCLSCRRFSRGRICIESCNLYDGE 517

RESULT 21

US-08-484-438-10

; Sequence 10, Application US/08484438

; Patent No. 5811098

; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.

; APPLICANT: Culouscou, Jean-Michel

; APPLICANT: Shoyab, Mohammed

; APPLICANT: Siegall, Clay B.

; APPLICANT: Hellstr m, Ingegerd

; APPLICANT: Hellstr m, Karl E.

; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE

; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds

; STREET: 1155 Avenue of the Americas

; CITY: New York

; STATE: New York

; COUNTRY: U.S.A.

; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438

; FILING DATE: 07-JUN-1995

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442

; FILING DATE: 14-OCT-1994

; APPLICATION NUMBER: US 08/150,704

; FILING DATE: 10-NOV-1993

; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165

; FILING DATE: 24-NOV-1992

; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie

; REGISTRATION NUMBER: 18,872

; REFERENCE/DOCKET NUMBER: 5624-230

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (212) 790-9090

; TELEFAX: (212) 869-8864/9741

; TELEX: 66141 PENNIE

; INFORMATION FOR SEQ ID NO: 10:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 911 amino acids

; TYPE: amino acid

; STRANDEDNESS: unknown

; TOPOLOGY: unknown
 ; MOLECULE TYPE: protein
 US-08-484-438-10

Query Match 60.6%; Score 212; DB 1; Length 911;
 Best Local Similarity 60.7%;
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCVAEGKVC DPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGE 57
 :| :| :| ||| ||: |||| ||||| ||||| :||| :|: || :||
 Db 487 IRDNKRAENCTAEGMVCNHLCS SDGCGWGPDPQCLSCRRF SRGRICIESCNLYDGE 542

RESULT 22

US-08-484-438-4

; Sequence 4, Application US/08484438
 ; Patent No. 5811098
 ; Patent No. 5811098 5780031

; GENERAL INFORMATION:

; APPLICANT: Plowman, Gregory D.
 ; APPLICANT: Culouscou, Jean-Michel
 ; APPLICANT: Shoyab, Mohammed
 ; APPLICANT: Siegall, Clay B.
 ; APPLICANT: Hellstr m, Ingegerd
 ; APPLICANT: Hellstr m, Karl E.
 ; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
 ; NUMBER OF SEQUENCES: 42

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pennie & Edmonds
 ; STREET: 1155 Avenue of the Americas
 ; CITY: New York
 ; STATE: New York
 ; COUNTRY: U.S.A.
 ; ZIP: 10036-2711

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/484,438
 ; FILING DATE: 07-JUN-1995
 ; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/323,442
 ; FILING DATE: 14-OCT-1994
 ; APPLICATION NUMBER: US 08/150,704
 ; FILING DATE: 10-NOV-1993
 ; CLASSIFICATION: 530

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/981,165
 ; FILING DATE: 24-NOV-1992
 ; CLASSIFICATION: 530

; ATTORNEY/AGENT INFORMATION:

; NAME: Misrock, S. Leslie
 ; REGISTRATION NUMBER: 18,872
 ; REFERENCE/DOCKET NUMBER: 5624-230

```

; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1058 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-438-4

```

```

Query Match          60.6%; Score 212; DB 1; Length 1058;
Best Local Similarity 60.7%;
Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

```

```

Qy      2 IKHNRP RRDCVAEGKVC DPLCSSGGC WGP GPGQCLSCRNYSRGGVCVTHCNFLNGE 57
      |: ||      :| ||| ||: |||| ||||| ||||| :||| :|| || :||
Db      487 IRDNRKAENCTAEGMVCNHLCSSDGCWGPGPDQCLSCRRFSRGRICIESCNLYDGE 542

```

RESULT 23

US-08-484-438-2

```

; Sequence 2, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:

```

```

; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711

```

```

; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

```

```

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530

```

```
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1308 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-484-438-2
```

Query Match 60.6%; Score 212; DB 1; Length 1308;
 Best Local Similarity 60.7%;
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

```
Qy 2 IKHNRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
   |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
Db 487 IRDNRKAENCTAEGMVCNHLCSDDGCGWPGPDQCLSCRFRSRGRICIESCNLYDGE 542
```

RESULT 24

```
US-10-394-322A-18
; Sequence 18, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 18
; LENGTH: 1308
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-18
```

Query Match 60.6%; Score 212; DB 3; Length 1308;
 Best Local Similarity 60.7%;
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

```
Qy 2 IKHNRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
   |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:| |:|
Db 487 IRDNRKAENCTAEGMVCNHLCSDDGCGWPGPDQCLSCRFRSRGRICIESCNLYDGE 542
```

RESULT 25

US-10-362-380-2

; Sequence 2, Application US/10362380
 ; Patent No. 7332579
 ; GENERAL INFORMATION:
 ; APPLICANT: GENENTECH, INC.
 ; APPLICANT: Gerritsen, Mary
 ; APPLICANT: Sliwkowski, Mark X.
 ; TITLE OF INVENTION: ErbB4 ANTAGONISTS
 ; FILE REFERENCE: 39766-0072 US
 ; CURRENT APPLICATION NUMBER: US/10/362,380
 ; CURRENT FILING DATE: 2003-08-06
 ; PRIOR APPLICATION NUMBER: 60/229,679
 ; PRIOR FILING DATE: 2000-09-01
 ; PRIOR APPLICATION NUMBER: 60/265,516
 ; PRIOR FILING DATE: 2001-01-31
 ; PRIOR APPLICATION NUMBER: 09/940,101
 ; PRIOR FILING DATE: 2001-08-27
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 2
 ; LENGTH: 1308
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-362-380-2

Query Match 60.6%; Score 212; DB 3; Length 1308;
 Best Local Similarity 60.7%;
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRPRRDCAEAGKVC DPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
 |: || :| ||| ||: |||| ||||| ||||| :||| |: || :||
 Db 487 IRDNKAENCTAEGMVCNHLCSSDGCWGPDPQCLSCRRFSRGRICIESCNLYDGE 542

RESULT 26

US-10-503-486-7

; Sequence 7, Application US/10503486
 ; Patent No. 7514240
 ; GENERAL INFORMATION:
 ; APPLICANT: Japan Science and Technology Corporation
 ; APPLICANT: Riken
 ; APPLICANT: Mochida Pharmaceutical CO., LTD.
 ; TITLE OF INVENTION: EGF/EGFR Complex
 ; FILE REFERENCE: PH-1639-PCT
 ; CURRENT APPLICATION NUMBER: US/10/503,486
 ; CURRENT FILING DATE: 2004-08-05
 ; PRIOR APPLICATION NUMBER: JP 2002-28780
 ; PRIOR FILING DATE: 2002-02-05
 ; NUMBER OF SEQ ID NOS: 15
 ; SOFTWARE: PatentIn Ver. 2.0
 ; SEQ ID NO 7
 ; LENGTH: 1308
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-10-503-486-7

Query Match 60.6%; Score 212; DB 3; Length 1308;
 Best Local Similarity 60.7%;
 Matches 34; Conservative 7; Mismatches 15; Indels 0; Gaps 0;

Qy 2 IKHNRRPRRDCAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
 |:||:| ||| |: ||| ||||| ||||| ||||| :||| :|: || :||
 Db 487 IRDNRAENCTAEGMVCNHLCSDDGCGWPGPDQCLSCRRFSRGRICIESCNLYDGE 542

RESULT 27

US-11-209-187-1

; Sequence 1, Application US/11209187
 ; Patent No. 7449559
 ; GENERAL INFORMATION:
 ; APPLICANT: CSIRO Molecular and Health Technologies
 ; TITLE OF INVENTION: Truncated EGF Receptor
 ; FILE REFERENCE: 502897
 ; CURRENT APPLICATION NUMBER: US/11/209,187
 ; CURRENT FILING DATE: 2007-08-08
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 1
 ; LENGTH: 621
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens

US-11-209-187-1

Query Match 52.9%; Score 185; DB 3; Length 621;
 Best Local Similarity 59.3%;
 Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 || ||| |:| ||| ||||| | |:|||| ||| || ||| |||
 Db 469 NRGNSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGECVDKCNLLEGE 522

RESULT 28

US-11-431-820A-1

; Sequence 1, Application US/11431820A
 ; Patent No. 7622273
 ; GENERAL INFORMATION:
 ; APPLICANT: GIBBS, Bernard
 ; TITLE OF INVENTION: COMPLETE CHEMICAL AND ENZYMATIC TREATMENT OF PHOSPHORYLATED AND
 ; TITLE OF INVENTION: GLYCOSYLATED PROTEINS ON PROTEIN CHIP ARRAYS
 ; FILE REFERENCE: 14237.6
 ; CURRENT APPLICATION NUMBER: US/11/431,820A
 ; CURRENT FILING DATE: 2006-05-11
 ; PRIOR APPLICATION NUMBER: 60/679,644
 ; PRIOR FILING DATE: 2005-05-11
 ; PRIOR APPLICATION NUMBER: 60/679,974
 ; PRIOR FILING DATE: 2005-05-12
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 1
 ; LENGTH: 621

```

;   TYPE: PRT
;   ORGANISM: Homo sapiens (EGFRED)
US-11-431-820A-1

```

```

Query Match      52.9%; Score 185; DB 3; Length 621;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAVEGKVC DPLCSSGGCGWGP GQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | |:|| ||| |||| | |:|||| ||| || || | |||
Db      469 NRGENSCKATGQVCHALCSPEGCGWGP EPRDCVSCRNVSRGRECDKCNLLEGE 522

```

RESULT 29

US-10-503-486-1

```

; Sequence 1, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 633
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: synthetic peptide
US-10-503-486-1

```

```

Query Match      52.9%; Score 185; DB 3; Length 633;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAVEGKVC DPLCSSGGCGWGP GQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | |:|| ||| |||| | |:|||| ||| || || | |||
Db      469 NRGENSCKATGQVCHALCSPEGCGWGP EPRDCVSCRNVSRGRECDKCNLLEGE 522

```

RESULT 30

US-11-878-050-436

```

; Sequence 436, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL0015910RD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044

```



```
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 436
; LENGTH: 657
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-436
```

```
Query Match          52.9%; Score 185; DB 3; Length 657;
Best Local Similarity 59.3%;
Matches   32; Conservative   2; Mismatches   20; Indels   0; Gaps   0;
```

```
Qy      5 NRPRRDCAVEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | :|| ||| |||| | :|||| ||| || || |||
Db      493 NRGNSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 546
```

RESULT 31

```
US-11-878-050-437
; Sequence 437, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL0015910RD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 437
; LENGTH: 705
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-437
```

```
Query Match          52.9%; Score 185; DB 3; Length 705;
Best Local Similarity 59.3%;
Matches   32; Conservative   2; Mismatches   20; Indels   0; Gaps   0;
```

```
Qy      5 NRPRRDCAVEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | :|| ||| |||| | :|||| ||| || || |||
Db      493 NRGNSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 546
```

RESULT 32

```
US-10-877-773A-135
; Sequence 135, Application US/10877773A
; Patent No. 7628986
; GENERAL INFORMATION
; APPLICANT: Weber, Richard
; APPLICANT:Feng, Xiao
; APPLICANT:Foord, Orit
; APPLICANT:Green, Larry
; APPLICANT:Gudas, Jean
; APPLICANT:Keyt, Bruce
; APPLICANT:Liu, Ying
; APPLICANT:Rathanaswami, Palaniswami
; APPLICANT:Raya, Robert
```

```
; APPLICANT:Yang, Xiao Dong
; APPLICANT:Corvalan, Jose
; APPLICANT:Foltz, Ian
; APPLICANT:Jia, Xiao-Chi
; APPLICANT:Kang, Jaspal
; APPLICANT:King, Chadwick T.
; APPLICANT:Klakamp, Scott L.
; APPLICANT:Su, Qiaojuan Jane
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO THE DELETION
; TITLE OF INVENTION:MUTANTS OF EPIDERMAL GROWTH FACTOR RECEPTOR AND USES THEREOF
; FILE REFERENCE: ABGENIX.087A
; CURRENT APPLICATION NUMBER: US/10/877,773A
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: 60/483,145
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: 60/525,570
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/562,453
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 135
; LENGTH: 919
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-877-773A-135
```

```
Query Match          52.9%;  Score 185;  DB 3;  Length 919;
Best Local Similarity 59.3%;
Matches 32;  Conservative 2;  Mismatches 20;  Indels 0;  Gaps 0;
```

```
QY      5 NRPRRDCAVEGKVCDDLCSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||  ||
Db      202 NRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGRECVKCNLLEGE 255
```

```
RESULT 33
US-10-877-773A-134
; Sequence 134, Application US/10877773A
; Patent No. 7628986
; GENERAL INFORMATION
; APPLICANT: Weber, Richard
; APPLICANT:Feng, Xiao
; APPLICANT:Foord, Orit
; APPLICANT:Green, Larry
; APPLICANT:Gudas, Jean
; APPLICANT:Keyt, Bruce
; APPLICANT:Liu, Ying
; APPLICANT:Rathanaswami, Palaniswami
; APPLICANT:Raya, Robert
; APPLICANT:Yang, Xiao Dong
; APPLICANT:Corvalan, Jose
; APPLICANT:Foltz, Ian
; APPLICANT:Jia, Xiao-Chi
; APPLICANT:Kang, Jaspal
; APPLICANT:King, Chadwick T.
; APPLICANT:Klakamp, Scott L.
```

```
; APPLICANT: Su, Qiaojuan Jane
; TITLE OF INVENTION: ANTIBODIES DIRECTED TO THE DELETION
; TITLE OF INVENTION: MUTANTS OF EPIDERMAL GROWTH FACTOR RECEPTOR AND USES THEREOF
; FILE REFERENCE: ABGENIX.087A
; CURRENT APPLICATION NUMBER: US/10/877,773A
; CURRENT FILING DATE: 2004-06-25
; PRIOR APPLICATION NUMBER: 60/483,145
; PRIOR FILING DATE: 2003-06-27
; PRIOR APPLICATION NUMBER: 60/525,570
; PRIOR FILING DATE: 2003-11-26
; PRIOR APPLICATION NUMBER: 60/562,453
; PRIOR FILING DATE: 2004-04-15
; NUMBER OF SEQ ID NOS: 144
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 134
; LENGTH: 1186
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-877-773A-134
```

Query Match 52.9%; Score 185; DB 3; Length 1186;
 Best Local Similarity 59.3%;
 Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```
Qy      5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||  ||  ||:||  |||  ||||  |  |:||||  ||  ||  ||  |||
Db      469 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVKCNLLEGE 522
```

RESULT 34

US-09-715-249-2

```
; Sequence 2, Application US/09715249
; Patent No. 6790614
; GENERAL INFORMATION:
; APPLICANT: NOVARTIS AG
; APPLICANT: VERES, GABOR
; APPLICANT: PIPPIG, SUSANNE
; TITLE OF INVENTION: selectable cell surface marker genes
; FILE REFERENCE: 4-31192
; CURRENT APPLICATION NUMBER: US/09/715,249
; CURRENT FILING DATE: 2000-11-17
; PRIOR APPLICATION NUMBER: us 60/166594
; PRIOR FILING DATE: 1999-11-19
; PRIOR APPLICATION NUMBER: us 09/539248
; PRIOR FILING DATE: 2000-03-30
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 2
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: EGFR
US-09-715-249-2
```

Query Match 52.9%; Score 185; DB 2; Length 1210;
 Best Local Similarity 59.3%;
 Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCVAEGKVC DPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||  ||  ||:||  |||  ||||  |  |:||||  |||  ||  ||  |||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGECVDKCNLLEGE 546

```

RESULT 35

```

US-10-394-322A-16
; Sequence 16, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 16
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-394-322A-16

```

```

Query Match          52.9%; Score 185; DB 3; Length 1210;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVC DPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||  ||  ||:||  |||  ||||  |  |:||||  |||  ||  ||  |||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGECVDKCNLLEGE 546

```

RESULT 36

```

US-11-294-621-512
; Sequence 512, Application US/11294621
; Patent No. 7294468
; GENERAL INFORMATION:
; APPLICANT: BELL, DAPHNE WINIFRED
; APPLICANT: HABER, DANIEL A.
; APPLICANT: JANNE, PASI ANTERO
; APPLICANT: JOHNSON, BRUCE E.
; APPLICANT: LYNCH, THOMAS J.
; APPLICANT: MEYERSON, MATTHEW
; APPLICANT: PAEZ, JUAN GUILLERMO
; APPLICANT: SELLERS, WILLIAM R.
; APPLICANT: SETTLEMAN, JEFFREY E.
; APPLICANT: SORDELLA, RAFFAELLA
; TITLE OF INVENTION: METHOD TO DETERMINE RESPONSIVENESS OF CANCER TO
; TITLE OF INVENTION: EPIDERMAL GROWTH FACTOR RECEPTOR TARGETING
; TITLE OF INVENTION: TREATMENTS
; FILE REFERENCE: 030258-055147
; CURRENT APPLICATION NUMBER: US/11/294,621
; CURRENT FILING DATE: 2005-12-05
; PRIOR APPLICATION NUMBER: PCT/US05/010645

```

```

; PRIOR FILING DATE: 2005-03-31
; PRIOR APPLICATION NUMBER: 60/558,218
; PRIOR FILING DATE: 2004-03-31
; PRIOR APPLICATION NUMBER: 60/561,095
; PRIOR FILING DATE: 2004-04-09
; PRIOR APPLICATION NUMBER: 60/565,753
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/565,985
; PRIOR FILING DATE: 2004-04-27
; PRIOR APPLICATION NUMBER: 60/574,035
; PRIOR FILING DATE: 2004-05-25
; PRIOR APPLICATION NUMBER: 60/577,916
; PRIOR FILING DATE: 2004-06-07
; PRIOR APPLICATION NUMBER: 60/592,287
; PRIOR FILING DATE: 2004-07-29
; NUMBER OF SEQ ID NOS: 762
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 512
;   LENGTH: 1210
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-11-294-621-512

```

```

Query Match          52.9%;   Score 185;   DB 3;   Length 1210;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | :|| ||| |||| | |:|||| || | | | |||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 546

```

RESULT 37

```

US-11-622-061B-32
; Sequence 32, Application US/11622061B
; Patent No. 7588895
; GENERAL INFORMATION
; APPLICANT: The Regents of the University of California
; APPLICANT:Wong, David T. W.
; APPLICANT:Zhou, Xiaofeng
; TITLE OF INVENTION: Biomarkers for Oral Tongue Cancer Metastasis and Extracapsular
; TITLE OF INVENTION:Spread (ECS)
; FILE REFERENCE: 02307K-166410US
; CURRENT APPLICATION NUMBER: US/11/622,061B
; CURRENT FILING DATE: 2008-04-14
; PRIOR APPLICATION NUMBER: US 60/758,432
; PRIOR FILING DATE: 2006-01-11
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 32
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: EGFR
US-11-622-061B-32

```

```

US-11-878-050-438
; Sequence 438, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 438
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-438

```

Query Match 52.9%; Score 185; DB 3; Length 1210;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

Qy 5 NRPRDCVAEGKVC DPLCSSGGCWGPGPGQLSCRNYSRGGV CVTHCNFLNGEP 58
 || | | :|| || ||||| | :|||| || || | ||
Db 493 NRGNSCKATGOVCHALCSPEG CWGPPEPRDCVSCRNVSRGRECVDKCNLLEGE P 546

```

US-11-878-050-439
; Sequence 439, Application US/11878050
; Patent No. 7608413
; GENERAL INFORMATION:
; APPLICANT: JOSELOFF, Elizabeth et al.
; TITLE OF INVENTION: KIDNEY DISEASE TARGETS AND USES THEREOF
; FILE REFERENCE: CL001591ORD
; CURRENT APPLICATION NUMBER: US/11/878,050
; CURRENT FILING DATE: 2007-10-03
; NUMBER OF SEQ ID NOS: 6044
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 439
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-878-050-439

```

Query Match 52.9%; Score 185; DB 3; Length 1210;
Best Local Similarity 59.3%;
Matches 32; Conservative 2; Mismatches 20; Indels 0; Gaps 0;

```
Qy      5 NRPRRDCVAEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | |:|| ||| |||| | |:||| || | | | |||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 546
```

RESULT 40

```
US-09-723-307-67
; Sequence 67, Application US/09723307
; Patent No. 6892140
; GENERAL INFORMATION:
; APPLICANT: CALENOFF, EMANUEL
; APPLICANT: DITLOW, CHARLES C.
; TITLE OF INVENTION: IMMUNOGENIC CANCER PEPTIDES AND USES THEREOF
; FILE REFERENCE: 21417-91482
; CURRENT APPLICATION NUMBER: US/09/723,307
; CURRENT FILING DATE: 2001-09-19
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 67
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-723-307-67
```

```
Query Match      51.4%; Score 180; DB 2; Length 1210;
Best Local Similarity 57.4%;
Matches 31; Conservative 3; Mismatches 20; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCVAEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | |:|| ||| |||| | |:||| || | | | |||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 546
```

RESULT 41

```
US-08-336-708A-9
; Sequence 9, Application US/08336708A
; Patent No. 5521295
; GENERAL INFORMATION:
; APPLICANT: Pacifici, Robert E.
; APPLICANT: Thomason, Arlen R.
; APPLICANT: Chang, Ming-Shi
; TITLE OF INVENTION: Hybrid Receptor Molecules
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Amgen Inc.
; STREET: 1840 Dehavilland Drive
; CITY: Thousand Oaks
; STATE: California
; COUNTRY: USA
; ZIP: 91320-1789
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
```

```

; APPLICATION NUMBER: US/08/336,708A
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Oleski, Nancy
; REFERENCE/DOCKET NUMBER: A-241A
; INFORMATION FOR SEQ ID NO: 9:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 644 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-336-708A-9

```

Query Match 51.1%; Score 179; DB 1; Length 644;
 Best Local Similarity 57.4%;
 Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAVEGKVCDDLCSGGCGWGPQGLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     493 NRGENSCKATGQVCHALCSPEGCGWGEPRDCVSCRNVSRGRECVDKCKLLEGE 546

```

RESULT 42

US-08-484-438-7

```

; Sequence 7, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994

```



```

; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 5624-230
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-8864/9741
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1210 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
US-08-484-438-7

```

Query Match 51.1%; Score 179; DB 1; Length 1210;
 Best Local Similarity 57.4%;
 Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

```

QY      5 NRPRRDCAVEGKVCDDLCSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || | | | | | | | | | | | | | | | | | | | | | | | | | |
Db     493 NRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGRECVDKCKLLEGE 546

```

RESULT 43

US-08-475-035-4

```

; Sequence 4, Application US/08475035
; Patent No. 5985553
; GENERAL INFORMATION:
; APPLICANT: KING, C. R.
; APPLICANT: KRAUS, MATTHIAS H.
; APPLICANT: AARONSON, STUART A.
; TITLE OF INVENTION: HUMAN GENE RELATED TO BUT DISTINCT FROM
; TITLE OF INVENTION: EGF RECEPTOR GENE
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: NEEDLE & ROSENBERG, P.C.
; STREET: Suite 1200, 127 Peachtree Street
; CITY: Atlanta
; STATE: Georgia
; COUNTRY: USA
; ZIP: 30303
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:

```

```

; APPLICATION NUMBER: US/08/475,035
; FILING DATE: 7 Jun 1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Perryman, David G.
; REGISTRATION NUMBER: 33,438
; REFERENCE/DOCKET NUMBER: 1414.656
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 404/688-0770
; TELEFAX: 404/688-9880
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1210 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-475-035-4

```

```

Query Match          51.1%; Score 179; DB 1; Length 1210;
Best Local Similarity 57.4%;
Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      || || || || || || || || || || || || || || || || || || ||
Db      493 NRGENSCKATGQVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCKLLEGE 546

```

RESULT 44

```

US-10-503-486-15
; Sequence 15, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 15
; LENGTH: 1210
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: SIGNAL
; LOCATION: (1)..(24)
US-10-503-486-15

```

```

Query Match          51.1%; Score 179; DB 3; Length 1210;
Best Local Similarity 57.4%;
Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

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Db 493 NRGENSCKATGQVCHALCSPGCGWGPEDRDCVSCRNVSRGRECDKCKLLEGE 546

RESULT 45

US-10-586-499A-6

; Sequence 6, Application US/10586499A
 ; Patent No. 7655751
 ; GENERAL INFORMATION
 ; APPLICANT: ITOH, Kyogo
 ; APPLICANT: SHICHIJO, Shigeki
 ; TITLE OF INVENTION: Epidermal growth factor receptor (EGFR)-derived peptides
 ; FILE REFERENCE: 547586
 ; CURRENT APPLICATION NUMBER: US/10/586,499A
 ; CURRENT FILING DATE: 2009-08-19
 ; PRIOR APPLICATION NUMBER: JP 2004-015676
 ; PRIOR FILING DATE: 2004-01-23
 ; NUMBER OF SEQ ID NOS: 7
 ; SOFTWARE: PatentIn version 3.2
 ; SEQ ID NO 6
 ; LENGTH: 1210
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-586-499A-6

Query Match 51.1%; Score 179; DB 3; Length 1210;
 Best Local Similarity 57.4%;
 Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCPLCSSGGCGWPGGQCLSCRNVSRGGVVCVTHCNFLNGEP 58
 || | | :|| ||| |||| | :|||| ||| | | |||
 Db 493 NRGENSCKATGQVCHALCSPGCGWGPEDRDCVSCRNVSRGRECDKCKLLEGE 546

RESULT 46

US-10-387-252A-2

; Sequence 2, Application US/10387252A
 ; Patent No. 7662793
 ; GENERAL INFORMATION
 ; APPLICANT: He, Yukai
 ; APPLICANT: Grandis, Jennifer Rubin
 ; APPLICANT: Huang, Leaf
 ; TITLE OF INVENTION: Inhibition of Human Squamous Cell Carcinoma Growth In
 ; TITLE OF INVENTION: Vivo by Epidermal Growth Factor Receptor Antisense RNA
 ; TITLE OF INVENTION: Transcribed From a Pol III Promoter
 ; FILE REFERENCE: HeGrandisHuang
 ; CURRENT APPLICATION NUMBER: US/10/387,252A
 ; CURRENT FILING DATE: 2003-03-12
 ; PRIOR APPLICATION NUMBER: 60/140,136
 ; PRIOR FILING DATE: 1999-06-18
 ; NUMBER OF SEQ ID NOS: 5
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 2
 ; LENGTH: 1210
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-387-252A-2

Query Match 51.1%; Score 179; DB 3; Length 1210;
 Best Local Similarity 57.4%;
 Matches 31; Conservative 2; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 || | | :|| ||| |||| | :|||| ||| || | |||
 Db 493 NRGENSCKATGQVCHALCSPEGCWGPEPRDCVSCRNVSRGRECVDKCKLLEGE 546

RESULT 47

US-10-541-270A-41
 ; Sequence 41, Application US/10541270A
 ; Patent No. 7282365
 ; GENERAL INFORMATION:
 ; APPLICANT: Monaci, Paolo
 ; APPLICANT: Nuzzo, Maurizio
 ; APPLICANT: La Monica, Nicola
 ; APPLICANT: Ciliberto, Gennaro
 ; APPLICANT: Lahm, Armin
 ; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
 ; TITLE OF INVENTION: SAME AND USES THEREOF
 ; FILE REFERENCE: ITR0043YP
 ; CURRENT APPLICATION NUMBER: US/10/541,270A
 ; CURRENT FILING DATE: 2005-07-01
 ; PRIOR APPLICATION NUMBER: PCT/EP03/14997
 ; PRIOR FILING DATE: 2003-12-29
 ; PRIOR APPLICATION NUMBER: 60/437,846
 ; PRIOR FILING DATE: 2003-01-03
 ; NUMBER OF SEQ ID NOS: 43
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 41
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Rhesus Monkey
 ; FEATURE:
 ; NAME/KEY: VARIANT
 ; LOCATION: 517, 647, 1075
 ; OTHER INFORMATION: Xaa = Any Amino Acid
 US-10-541-270A-41

Query Match 50.0%; Score 175; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | |||
 Db 498 NRPEDECVGEGLACHQLCAXGHCGWPGPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 48

US-10-119-288A-42
 ; Sequence 42, Application US/10119288A
 ; Patent No. 7638598
 ; GENERAL INFORMATION:
 ; APPLICANT: Greene, Mark
 ; APPLICANT: Zhang, Hongtao

```
; APPLICANT: Murali, Ramachandran
; APPLICANT: Richter, Mark
; APPLICANT: Berezov, Alan
; APPLICANT: Liu, Qingdu
; APPLICANT: Chen, Jinqui
; TITLE OF INVENTION: ErbB INTERFACE PEPTIDOMIMETICS AND METHODS OF USE THEREOF
; FILE REFERENCE: 4040/1K397-US1
; CURRENT APPLICATION NUMBER: US/10/119,288A
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/282,037
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-119-288A-42
```

Query Match 49.7%; Score 174; DB 3; Length 148;
 Best Local Similarity 65.9%;
 Matches 27; Conservative 5; Mismatches 9; Indels 0; Gaps 0;

```
Qy 17 VCDPLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGE 57
   || |||| ||||| ||||| :||| :| :||
Db 2 VCNHLCSSDGCWGPDPQCLSCRRFSRGRICIESCNLYDGE 42
```

```
RESULT 49
US-10-213-292-42
; Sequence 42, Application US/10213292
; Patent No. 7662374
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: Zhang, Hongtao
; APPLICANT: Richter, Mark
; APPLICANT: Murali, Ramachandran
; TITLE OF INVENTION: MONOCLONAL ANTIBODIES TO ACTIVATED erbB FAMILY MEMBERS
; TITLE OF INVENTION: AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 4040/1K396-US1
; CURRENT APPLICATION NUMBER: US/10/213,292
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 42
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-213-292-42
```

Query Match 49.7%; Score 174; DB 3; Length 148;
 Best Local Similarity 65.9%;

Matches 27; Conservative 5; Mismatches 9; Indels 0; Gaps 0;

Qy 17 VCDPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGE 57
 ||: ||| | ||||| | ||||| :||| |: || :||
 Db 2 VCNHLCSSDGCWGPDPQCLSCRFRSRGRICIESCNLYDGE 42

RESULT 50

US-08-422-108-1

; Sequence 1, Application US/08422108

; Patent No. 6015567

; GENERAL INFORMATION:

; APPLICANT: Hudziak, Robert M.

; APPLICANT: Shepard, H. Michael

; APPLICANT: Ullrich, Axel

; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WinPatin (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/422,108

; FILING DATE: 14-Apr-1995

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/355460

; FILING DATE: 13-DEC-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/048346

; FILING DATE: 15-APR-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/354319

; FILING DATE: 19-MAY-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Lee, Wendy M

; REGISTRATION NUMBER: 00,000

; REFERENCE/DOCKET NUMBER: 554C2D2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1994

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 624 amino acids

; TYPE: Amino Acid

; TOPOLOGY: Linear

US-08-422-108-1

Query Match 49.7%; Score 174; DB 2; Length 624;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

QY 5 NRPRRDCAEAGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :||| | ||: | ||||| ||::| :|| |||
 Db 477 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQCEVCECRVLQGLP 530

RESULT 51

US-08-422-734-1

; Sequence 1, Application US/08422734

; Patent No. 6333169

; GENERAL INFORMATION:

; APPLICANT: Hudziak, Robert M.

; APPLICANT: Shepard, H. Michael

; APPLICANT: Ullrich, Axel

; TITLE OF INVENTION: HER2 EXTRACELLULAR DOMAIN

; NUMBER OF SEQUENCES: 2

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Genentech, Inc.

; STREET: 460 Point San Bruno Blvd

; CITY: South San Francisco

; STATE: California

; COUNTRY: USA

; ZIP: 94080

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: WinPatin (Genentech)

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/422,734

; FILING DATE:

; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/422108

; FILING DATE: 14-Apr-1995

; APPLICATION NUMBER: 08/355460

; FILING DATE: 13-DEC-1994

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/048346

; FILING DATE: 15-APR-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 07/354319

; FILING DATE: 19-MAY-1989

; ATTORNEY/AGENT INFORMATION:

; NAME: Lee, Wendy M

; REGISTRATION NUMBER: 00,000

; REFERENCE/DOCKET NUMBER: 554C2D1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 415/225-1994

; TELEFAX: 415/952-9881

; TELEX: 910/371-7168

; INFORMATION FOR SEQ ID NO: 1:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 624 amino acids

; TYPE: Amino Acid
 ; TOPOLOGY: Linear
 US-08-422-734-1

Query Match 49.7%; Score 174; DB 2; Length 624;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEAGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| | | ||: | ||||| ||::| : || | | | |
 Db 477 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 530

RESULT 52

US-11-209-187-2

; Sequence 2, Application US/11209187
 ; Patent No. 7449559
 ; GENERAL INFORMATION:
 ; APPLICANT: CSIRO Molecular and Health Technologies
 ; TITLE OF INVENTION: Truncated EGF Receptor
 ; FILE REFERENCE: 502897
 ; CURRENT APPLICATION NUMBER: US/11/209,187
 ; CURRENT FILING DATE: 2007-08-08
 ; NUMBER OF SEQ ID NOS: 4
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 2
 ; LENGTH: 631
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-209-187-2

Query Match 49.7%; Score 174; DB 3; Length 631;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEAGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| | | ||: | ||||| ||::| : || | | | |
 Db 477 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 530

RESULT 53

US-09-602-812A-13

; Sequence 13, Application US/09602812A
 ; Patent No. 6949245
 ; GENERAL INFORMATION:
 ; APPLICANT: Adams, Camellia W.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Sliwowski, Mark X.
 ; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
 ; TITLE OF INVENTION: Anti-ErbB2 Antibodies
 ; FILE REFERENCE: P1467R2
 ; CURRENT APPLICATION NUMBER: US/09/602,812A
 ; CURRENT FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: US 60/141,316
 ; PRIOR FILING DATE: 1999-06-25
 ; NUMBER OF SEQ ID NOS: 13
 ; SEQ ID NO 13


```
;   LENGTH: 645
;   TYPE: PRT
;   ORGANISM: Homo sapiens
US-09-602-812A-13
```

```
Query Match          49.7%;   Score 174;   DB 2;   Length 645;
Best Local Similarity 51.9%;
Matches   28;   Conservative   5;   Mismatches   21;   Indels   0;   Gaps   0;
```

```
Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 54

```
US-09-921-161-1
; Sequence 1, Application US/0921161
; Patent No. 6984494
; GENERAL INFORMATION:
; APPLICANT: Ralph, Peter
; TITLE OF INVENTION: ANALYTICAL METHOD
; FILE REFERENCE: GENENT.066A
; CURRENT APPLICATION NUMBER: US/09/921,161
; CURRENT FILING DATE: 2001-08-01
; PRIOR APPLICATION NUMBER: 60/225,433
; PRIOR FILING DATE: 2000-08-15
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-921-161-1
```

```
Query Match          49.7%;   Score 174;   DB 2;   Length 645;
Best Local Similarity 51.9%;
Matches   28;   Conservative   5;   Mismatches   21;   Indels   0;   Gaps   0;
```

```
Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 55

```
US-09-602-800A-13
; Sequence 13, Application US/09602800A
; Patent No. 7041292
; GENERAL INFORMATION:
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: TREATING PROSTATE CANCER WITH ANTI-ErbB2 ANTIBODIES
; FILE REFERENCE: 39766-0142D1
; CURRENT APPLICATION NUMBER: US/09/602,800A
; CURRENT FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,315
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 13
```

; LENGTH: 645
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-602-800A-13

Query Match 49.7%; Score 174; DB 3; Length 645;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCDDLCSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 56

US-11-213-557-1

; Sequence 1, Application US/11213557
 ; Patent No. 7279287
 ; GENERAL INFORMATION:
 ; APPLICANT: Ralph, Peter
 ; TITLE OF INVENTION: ANALYTICAL METHOD
 ; FILE REFERENCE: GENENT.066A
 ; CURRENT APPLICATION NUMBER: US/11/213,557
 ; CURRENT FILING DATE: 2005-08-26
 ; PRIOR APPLICATION NUMBER: US/09/921,161
 ; PRIOR FILING DATE: 2001-08-01
 ; PRIOR APPLICATION NUMBER: 60/225,433
 ; PRIOR FILING DATE: 2000-08-15
 ; NUMBER OF SEQ ID NOS: 1
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 1
 ; LENGTH: 645
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-213-557-1

Query Match 49.7%; Score 174; DB 3; Length 645;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCDDLCSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 57

US-11-429-043-13

; Sequence 13, Application US/11429043
 ; Patent No. 7485302
 ; GENERAL INFORMATION:
 ; APPLICANT: Adams, Camellia W.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Sliwkowski, Mark X.
 ; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
 ; TITLE OF INVENTION: Anti-ErbB2 Antibodies
 ; FILE REFERENCE: P1467R2
 ; CURRENT APPLICATION NUMBER: US/11/429,043

```
; CURRENT FILING DATE: 2006-05-05
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-429-043-13
```

```
Query Match          49.7%; Score 174; DB 3; Length 645;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
QY      5 NRPRRDCVAEGKVCDDLCSGGCGWGPQGCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 58

```
US-11-222-587-13
; Sequence 13, Application US/11222587
; Patent No. 7498030
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/222,587
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-222-587-13
```

```
Query Match          49.7%; Score 174; DB 3; Length 645;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

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QY      5 NRPRRDCVAEGKVCDDLCSGGCGWGPQGCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 59

```
US-11-223-361-13
; Sequence 13, Application US/11223361
```

```
; Patent No. 7501122
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/223,361
; CURRENT FILING DATE: 2005-09-09
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-223-361-13
```

```
Query Match          49.7%; Score 174; DB 3; Length 645;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCAEKGKVCPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| :| || | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 60

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US-11-429-361-13
; Sequence 13, Application US/11429361
; Patent No. 7537931
; GENERAL INFORMATION:
; APPLICANT: Adams, Camellia W.
; APPLICANT: Presta, Leonard G.
; APPLICANT: Sliwowski, Mark X.
; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
; TITLE OF INVENTION: Anti-ErbB2 Antibodies
; FILE REFERENCE: P1467R2
; CURRENT APPLICATION NUMBER: US/11/429,361
; CURRENT FILING DATE: 2006-05-05
; PRIOR APPLICATION NUMBER: US/09/602,812
; PRIOR FILING DATE: 2000-06-23
; PRIOR APPLICATION NUMBER: US 60/141,316
; PRIOR FILING DATE: 1999-06-25
; NUMBER OF SEQ ID NOS: 13
; SEQ ID NO 13
; LENGTH: 645
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-429-361-13
```

```
Query Match          49.7%; Score 174; DB 3; Length 645;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

QY 5 NRPRRDCVAEGKVCPLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | ||
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 61

US-11-154-465-13
 ; Sequence 13, Application US/11154465
 ; Patent No. 7618631
 ; GENERAL INFORMATION:
 ; APPLICANT: Adams, Camellia W.
 ; APPLICANT: Presta, Leonard G.
 ; APPLICANT: Sliwowski, Mark X.
 ; TITLE OF INVENTION: Humanized Anti-ErbB2 Antibodies and Treatment with
 ; TITLE OF INVENTION: Anti-ErbB2 Antibodies
 ; FILE REFERENCE: P1467R2
 ; CURRENT APPLICATION NUMBER: US/11/154,465
 ; CURRENT FILING DATE: 2005-06-16
 ; PRIOR APPLICATION NUMBER: US/09/602,812
 ; PRIOR FILING DATE: 2000-06-23
 ; PRIOR APPLICATION NUMBER: US 60/141,316
 ; PRIOR FILING DATE: 1999-06-25
 ; NUMBER OF SEQ ID NOS: 13
 ; SEQ ID NO 13
 ; LENGTH: 645
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-154-465-13

Query Match 49.7%; Score 174; DB 3; Length 645;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

QY 5 NRPRRDCVAEGKVCPLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | ||
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 62

US-09-493-480-3
 ; Sequence 3, Application US/09493480
 ; Patent No. 7198920
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Gheysen, Dirk
 ; APPLICANT: Corixa Corporation
 ; APPLICANT: SmithKline Beecham Biologicals S. A.
 ; TITLE OF INVENTION: HER-2/neu Fusion Proteins
 ; FILE REFERENCE: 014058-009810PC
 ; CURRENT APPLICATION NUMBER: US/09/493,480
 ; CURRENT FILING DATE: 2000-01-28
 ; PRIOR APPLICATION NUMBER: US 60/117,976
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 3

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; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-493-480-3
```

Query Match 49.7%; Score 174; DB 3; Length 653;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy 5 NRPRRDCAVEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
    ||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQCEVVEECRVLQGLP 551
```

RESULT 63

```
US-09-632-507A-3
; Sequence 3, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human Her-2/neu
US-09-632-507A-3
```

Query Match 49.7%; Score 174; DB 3; Length 653;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy 5 NRPRRDCAVEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
    ||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQCEVVEECRVLQGLP 551
```

RESULT 64

```
US-09-854-356-3
; Sequence 3, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
```

```

; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3
; LENGTH: 653
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of human HER-2/neu
US-09-854-356-3

```

```

Query Match      49.7%; Score 174; DB 3; Length 653;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEAGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | | | : | ||||| ||::| : || | | | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVCNSQFLRGQECVBEICRVLQGLP 551

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RESULT 65

US-12-291-886-14

```

; Sequence 14, Application US/12291886
; Patent No. 7662586
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Gallo, Pasquale
; APPLICANT: Nuzzo, Maurizio
; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF
; FILE REFERENCE: ITR0065YP
; CURRENT APPLICATION NUMBER: US/12/291,886
; CURRENT FILING DATE: 2008-11-14
; PRIOR APPLICATION NUMBER: US/10/565,418
; PRIOR FILING DATE: 2006-01-23
; PRIOR APPLICATION NUMBER: PCT/EP2004/008234
; PRIOR FILING DATE: 2004-04-20
; PRIOR APPLICATION NUMBER: 60/489,237
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 675
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

```

; OTHER INFORMATION: HER2ECDTM polypeptide
US-12-291-886-14

Query Match 49.7%; Score 174; DB 3; Length 675;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGC WGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
||| :|| || | ||: | ||||| ||::| :|| || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 66

US-09-493-480-7

; Sequence 7, Application US/09493480

; Patent No. 7198920

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/493,480

; CURRENT FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 7

; LENGTH: 712

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: fusion protein

; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu

US-09-493-480-7

Query Match 49.7%; Score 174; DB 3; Length 712;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGC WGP GPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
||| :|| || | ||: | ||||| ||::| :|| || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 67

US-09-632-507A-7

; Sequence 7, Application US/09632507A

; Patent No. 7229623

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: Her-2/neu Fusion Proteins


```
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and delta PD of human Her-2/neu
US-09-632-507A-7
```

```
Query Match          49.7%;  Score 174;  DB 3;  Length 712;
Best Local Similarity 51.9%;
Matches 28;  Conservative 5;  Mismatches 21;  Indels 0;  Gaps 0;
```

```
QY      5 NRPRRDCVAEGKVCDDLCSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | ||
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
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RESULT 68

US-09-854-356-7

```
; Sequence 7, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 712
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:fusion protein
; OTHER INFORMATION: of ECD and delta PD of human HER-2/neu
US-09-854-356-7
```

```
Query Match          49.7%;  Score 174;  DB 3;  Length 712;
Best Local Similarity 51.9%;
```

Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

QY 5 NRPRRDCAEAGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| | | ||: | ||||| ||::| : || | | |
 DB 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRLVQLGLP 551

RESULT 69

US-09-146-283-4

; Sequence 4, Application US/09146283

; Patent No. 5976546

; GENERAL INFORMATION:

; APPLICANT: Laus, Reiner

; APPLICANT: Ruegg, Curtis L.

; APPLICANT: Wu, Hongyu

; TITLE OF INVENTION: Immunostimulatory Compositions

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dehlinger & Associates

; STREET: 350 Cambridge Ave. Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,283

; FILING DATE: 03-SEPT-1998

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Judge, Linda R.

; REGISTRATION NUMBER: 42,702

; REFERENCE/DOCKET NUMBER: 7636-0010.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 782 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: homo sapiens

; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

US-09-146-283-4

Query Match 49.7%; Score 174; DB 1; Length 782;

Best Local Similarity 51.9%;

Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

QY 5 NRPRRDCAEAGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 70

US-08-579-823A-4

; Sequence 4, Application US/08579823A

; Patent No. 6080409

; GENERAL INFORMATION:

; APPLICANT: Laus, Reiner

; APPLICANT: Ruegg, Curtis L.

; APPLICANT: Wu, Hongyu

; TITLE OF INVENTION: Immunostimulatory Composition and Method

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dehlinger & Associates

; STREET: 350 Cambridge Ave. Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/579,823A

; FILING DATE: 03-DEC-1998

; CLASSIFICATION: 536

; ATTORNEY/AGENT INFORMATION:

; NAME: Judge, Linda R.

; REGISTRATION NUMBER: 42,702

; REFERENCE/DOCKET NUMBER: 7636-0010

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 782 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: homo sapiens

; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

US-08-579-823A-4

Query Match 49.7%; Score 174; DB 2; Length 782;

Best Local Similarity 51.9%;

Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVCDDLCSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 71

US-09-344-195-4

; Sequence 4, Application US/09344195

; Patent No. 6210662

; GENERAL INFORMATION:

; APPLICANT: Laus, Reiner

; Ruegg, Curtis L.

; Wu, Hongyu

; TITLE OF INVENTION: Immunostimulatory Compositions

; NUMBER OF SEQUENCES: 10

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Dehlinger & Associates

; STREET: 350 Cambridge Ave. Suite 250

; CITY: Palo Alto

; STATE: CA

; COUNTRY: USA

; ZIP: 94306

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/344,195

; FILING DATE: 24-Jun-1999

; CLASSIFICATION: <Unknown>

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/09/146,283

; FILING DATE: 03-SEPT-1998

; ATTORNEY/AGENT INFORMATION:

; NAME: Judge, Linda R.

; REGISTRATION NUMBER: 42,702

; REFERENCE/DOCKET NUMBER: 7636-0010.21

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 650-324-0880

; TELEFAX: 650-324-0960

; INFORMATION FOR SEQ ID NO: 4:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 782 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

; HYPOTHETICAL: NO

; ORIGINAL SOURCE:

; ORGANISM: homo sapiens

; INDIVIDUAL ISOLATE: GM-CSF-Her-2 fusion protein; Fig. 8

; SEQUENCE DESCRIPTION: SEQ ID NO: 4:

US-09-344-195-4

Query Match 49.7%; Score 174; DB 2; Length 782;

Best Local Similarity 51.9%;

Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVC DPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

||| :||| | ||: | ||||| ||::| :|| || | |||

Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 72

US-09-493-480-6

; Sequence 6, Application US/09493480
 ; Patent No. 7198920
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Gheysen, Dirk
 ; APPLICANT: Corixa Corporation
 ; APPLICANT: SmithKline Beecham Biologicals S. A.
 ; TITLE OF INVENTION: HER-2/neu Fusion Proteins
 ; FILE REFERENCE: 014058-009810PC
 ; CURRENT APPLICATION NUMBER: US/09/493,480
 ; CURRENT FILING DATE: 2000-01-28
 ; PRIOR APPLICATION NUMBER: US 60/117,976
 ; PRIOR FILING DATE: 1999-01-29
 ; NUMBER OF SEQ ID NOS: 26
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6
 ; LENGTH: 919
 ; TYPE: PRT
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence: fusion protein
 ; OTHER INFORMATION: of ECD and PD of human HER-2/neu

US-09-493-480-6

Query Match 49.7%; Score 174; DB 3; Length 919;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVCDDLCSGGCGWPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :||| | ||: | ||||| ||::| :|| || | |||
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGGQECVEECRLVQGLP 551

RESULT 73

US-09-632-507A-6

; Sequence 6, Application US/09632507A
 ; Patent No. 7229623
 ; GENERAL INFORMATION:
 ; APPLICANT: Cheever, Martin A.
 ; APPLICANT: Gheysen, Dirk
 ; APPLICANT: Corixa Corporation
 ; APPLICANT: SmithKline Beecham Biologicals S. A.
 ; TITLE OF INVENTION: Her-2/neu Fusion Proteins
 ; FILE REFERENCE: 014058-009820US
 ; CURRENT APPLICATION NUMBER: US/09/632,507A
 ; CURRENT FILING DATE: 2000-08-03
 ; PRIOR APPLICATION NUMBER: US 60/117,976
 ; PRIOR FILING DATE: 1999-01-29
 ; PRIOR APPLICATION NUMBER: US 09/493,480
 ; PRIOR FILING DATE: 2000-01-28
 ; NUMBER OF SEQ ID NOS: 32
 ; SOFTWARE: PatentIn Ver. 2.1
 ; SEQ ID NO 6

```

;   LENGTH: 919
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:fusion protein
;   OTHER INFORMATION: of ECD and PD of human Her-2/neu
US-09-632-507A-6

```

Query Match 49.7%; Score 174; DB 3; Length 919;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

Qy      5  NRPRRDCAEAGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
        ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 74

US-09-854-356-6

```

; Sequence 6, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 6

```

```

;   LENGTH: 919
;   TYPE: PRT
;   ORGANISM: Artificial Sequence
;   FEATURE:
;   OTHER INFORMATION: Description of Artificial Sequence:fusion protein
;   OTHER INFORMATION: of ECD and PD of human HER-2/neu
US-09-854-356-6

```

Query Match 49.7%; Score 174; DB 3; Length 919;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

Qy      5  NRPRRDCAEAGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
        ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 75

US-10-146-473-72

; Sequence 72, Application US/10146473

```
; Patent No. 7335467
; GENERAL INFORMATION:
; APPLICANT: Scanlan, Matthew
; APPLICANT: Gout, Ivan
; APPLICANT: Stockert, Elisabeth
; APPLICANT: Gure, Ali
; APPLICANT: Chen, Yao-Tseng
; APPLICANT: Old, Lloyd
; TITLE OF INVENTION: Breast Cancer Antigens
; FILE REFERENCE: L00461/70130(JRV)
; CURRENT APPLICATION NUMBER: US/10/146,473
; CURRENT FILING DATE: 2002-05-15
; PRIOR APPLICATION NUMBER: US 60/291,150
; PRIOR FILING DATE: 2001-05-15
; NUMBER OF SEQ ID NOS: 82
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 72
; LENGTH: 1253
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-146-473-72
```

```
Query Match          49.7%; Score 174; DB 3; Length 1253;
Best Local Similarity 51.9%;
Matches    28; Conservative    5; Mismatches    21; Indels    0; Gaps    0;
```

```
Qy          5 NRPRRDCAEKGKVCPLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
          ||| :|| | | ||: | ||||| ||::| : || || | | |
```

```
Ddb         498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVCNSQFLRGQECVEECRVLQGLP 551
```

RESULT 76

US-08-625-101-2

```
; Sequence 2, Application US/08625101
; Patent No. 5869445
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
; TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
; TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
; TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SEED and BERRY LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: USA
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/625,101
```

```

; FILING DATE: 01-APR-1996
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-625-101-2

```

Query Match 49.7%; Score 174; DB 1; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAEGKVC DPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | ||: | ||||| ||::| : || | | | |
Db     498 NRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCSQFLRGQCEVVEECRVLQGLP 551

```

RESULT 77

US-08-356-786-2

```

; Sequence 2, Application US/08356786
; Patent No. 5877305
; GENERAL INFORMATION:
; APPLICANT: Huston, James S.
; APPLICANT: Oppermann, Hermann
; APPLICANT: Houston, L. L.
; APPLICANT: Ring, David B.
; TITLE OF INVENTION: Biosynthetic Binding Protein for Cancer
; TITLE OF INVENTION: Marker
; NUMBER OF SEQUENCES: 16
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Edmund R. Pitcher, Testa, Hurwitz, & Thibault
; STREET: Exchange Place, 53 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
;
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/356,786
; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/831,967
; FILING DATE: 06-FEB-1992

```



```

;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Pitcher, Edmund R.
;   REGISTRATION NUMBER:  27,829
;   REFERENCE/DOCKET NUMBER:  CRP-053
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (617) 248-7000
;   TELEFAX:  (617) 248-7100
;   INFORMATION FOR SEQ ID NO:  2:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  1255 amino acids
;   TYPE:  amino acid
;   TOPOLOGY:  linear
;   MOLECULE TYPE:  protein
US-08-356-786-2

```

```

Query Match          49.7%;  Score 174;  DB 1;  Length 1255;
Best Local Similarity 51.9%;
Matches  28;  Conservative  5;  Mismatches  21;  Indels  0;  Gaps  0;

```

```

Qy      5  NRPRRDCAVAGKVKCDPLCSSGGCGWGPQCLSCRNYSRGGVCVTHCNFLNGEP  58
      ||| :|| | | ||: | ||||| ||::| : || | | |
Db      498  NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP  551

```

RESULT 78

```

US-09-527-487-2
; Sequence 2, Application US/09527487
; Patent No. 6528060
; GENERAL INFORMATION:
; APPLICANT: Nicolette, Charles
; TITLE OF INVENTION: HER2 ANTIGENIC PEPTIDES
; FILE REFERENCE: 126881309200
; CURRENT APPLICATION NUMBER: US/09/527,487
; CURRENT FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-527-487-2

```

```

Query Match          49.7%;  Score 174;  DB 2;  Length 1255;
Best Local Similarity 51.9%;
Matches  28;  Conservative  5;  Mismatches  21;  Indels  0;  Gaps  0;

```

```

Qy      5  NRPRRDCAVAGKVKCDPLCSSGGCGWGPQCLSCRNYSRGGVCVTHCNFLNGEP  58
      ||| :|| | | ||: | ||||| ||::| : || | | |
Db      498  NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP  551

```

RESULT 79

```

US-09-811-115-3
; Sequence 3, Application US/09811115
; Patent No. 6632979
; GENERAL INFORMATION:
; APPLICANT: Erickson, Sharon

```

```
; APPLICANT: Schwall, Ralph
; APPLICANT: King, Kathleen
; TITLE OF INVENTION: HER-2 TRANSGENIC NON-HUMAN TUMOR MODEL
; FILE REFERENCE: GENENT.034A
; CURRENT APPLICATION NUMBER: US/09/811,115
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/189,844
; PRIOR FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-811-115-3
```

Query Match 49.7%; Score 174; DB 2; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy      5 NRPRRDCAEAGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 80

US-09-441-411-6

```
; Sequence 6, Application US/09441411
; Patent No. 6734172
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Ingegerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409
; CURRENT APPLICATION NUMBER: US/09/441,411
; CURRENT FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-441-411-6
```

Query Match 49.7%; Score 174; DB 2; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy      5 NRPRRDCAEAGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 81

US-09-167-516-2

```
; Sequence 2, Application US/09167516
; Patent No. 6953573
; GENERAL INFORMATION:
;   APPLICANT: Cheever, Martin A.
;   APPLICANT: Disis, Mary L.
;   TITLE OF INVENTION: COMPOUNDS FOR ELICITING OR ENHANCING IMMUNE
;   TITLE OF INVENTION: REACTIVITY TO HER-2/neu PROTEIN FOR PREVENTION
;   TITLE OF INVENTION: OR TREATMENT OF MALIGNANCIES IN WHICH THE HER-2/neu
;   TITLE OF INVENTION: ONCOGENE IS ASSOCIATED
;   NUMBER OF SEQUENCES: 4
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE: SEED and BERRY LLP
;     STREET: 6300 Columbia Center, 701 Fifth Avenue
;     CITY: Seattle
;     STATE: Washington
;     COUNTRY: USA
;     ZIP: 98104-7092
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE: Floppy disk
;     COMPUTER: IBM PC compatible
;     OPERATING SYSTEM: PC-DOS/MS-DOS
;     SOFTWARE: PatentIn Release #1.0, Version #1.30
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER: US/09/167,516
;     FILING DATE:
;     CLASSIFICATION:
;   PRIOR APPLICATION DATA:
;     APPLICATION NUMBER: US/08/625,101
;     FILING DATE: 01-APR-1996
;   ATTORNEY/AGENT INFORMATION:
;     NAME: Sharkey, Richard G.
;     REGISTRATION NUMBER: 32,629
;     REFERENCE/DOCKET NUMBER: 920010.448C7
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE: (206) 622-4900
;     TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH: 1255 amino acids
;       TYPE: amino acid
;       TOPOLOGY: linear
;     MOLECULE TYPE: protein
US-09-167-516-2
```

```
Query Match          49.7%; Score 174; DB 2; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCAVEGKVC DPLCSSGGCWGPGQGCLSCRNYSRGGVVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db     498 NRPEDEVGEG LACHQLCARGHCWGPGPTQCVNCSQFLRGQECVEECRLVQLGLP 551
```

```
RESULT 82
US-09-806-703A-4
; Sequence 4, Application US/09806703A
; Patent No. 7005498
```

```

; GENERAL INFORMATION:
; APPLICANT: Steinaa, Lucilla
; APPLICANT: Mouritsen, Soren
; APPLICANT: Gautam, Anand
; APPLICANT: Dalum, Iben
; APPLICANT: Haaning, Jesper
; APPLICANT: Leach, Dana
; APPLICANT: Nielsen, Klaus
; APPLICANT: Karlsson, Gunilla
; APPLICANT: Rasmussen, Peter
; TITLE OF INVENTION: No. 7005498e1 Methods for Therapeutic Vaccination
; FILE REFERENCE: 3631-0109P
; CURRENT APPLICATION NUMBER: US/09/806,703A
; CURRENT FILING DATE: 2001-04-04
; PRIOR APPLICATION NUMBER: PCT/DK99/00525
; PRIOR FILING DATE: 1999-10-05
; PRIOR APPLICATION NUMBER: DK 1998 01261
; PRIOR FILING DATE: 1998-10-05
; PRIOR APPLICATION NUMBER: US 60/105,011
; PRIOR FILING DATE: 1998-10-20
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: PatentIn Ver. 3.0
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-806-703A-4

```

```

Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | ||: | ||||| ||::| : || | | | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSSQFLRQGECVEECRVLQGLP 551

```

RESULT 83

US-09-811-123-9

```

; Sequence 9, Application US/09811123
; Patent No. 7097840
; GENERAL INFORMATION:
; APPLICANT: Sharon Erickson
; APPLICANT: Ralph Schwall
; APPLICANT: Mark Sliwowski
; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB
; TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES
; FILE REFERENCE: GENENT.073A2
; CURRENT APPLICATION NUMBER: US/09/811,123
; CURRENT FILING DATE: 2001-03-16
; PRIOR APPLICATION NUMBER: 60/238,327
; PRIOR FILING DATE: 2000-10-05
; PRIOR APPLICATION NUMBER: 09/602,530
; PRIOR FILING DATE: 2000-06-23
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 9

```

; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-09-811-123-9

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQCEVCEECRVLQGLP 551

RESULT 84

US-10-272-437B-28
 ; Sequence 28, Application US/10272437B
 ; Patent No. 7098302
 ; GENERAL INFORMATION:
 ; APPLICANT: Krag, David N.
 ; APPLICANT: Pero, Stephanie C.
 ; APPLICANT: Oligino, Lyn
 ; TITLE OF INVENTION: BINDING PEPTIDES SPECIFIC FOR THE EXTRACELLULAR DOMAIN OF ERBB2 AND
 ; TITLE OF INVENTION: USES THEREFOR
 ; FILE REFERENCE: V0139.70056US00
 ; CURRENT APPLICATION NUMBER: US/10/272,437B
 ; CURRENT FILING DATE: 2002-10-15
 ; PRIOR APPLICATION NUMBER: 60/329,183
 ; PRIOR FILING DATE: 2001-10-12
 ; NUMBER OF SEQ ID NOS: 47
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 28
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-272-437B-28

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQCEVCEECRVLQGLP 551

RESULT 85

US-10-207-498-6
 ; Sequence 6, Application US/10207498
 ; Patent No. 7125680
 ; GENERAL INFORMATION:
 ; APPLICANT: Elizabeth Singer
 ; APPLICANT: Ralf Landgraf
 ; APPLICANT: Dennis J. Slamon
 ; APPLICANT: David Eisenberg
 ; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
 ; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HERGULIN AND HER3

```

; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/10/207,498
; CURRENT FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-207-498-6

```

```

Query Match      49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 86

US-10-322-892-4

```

; Sequence 4, Application US/10322892
; Patent No. 7133725
; GENERAL INFORMATION:
; APPLICANT: STIRBL, ROBERT C.
; APPLICANT: SNEAD, MALCOLM L.
; APPLICANT: XU, JIMMY
; APPLICANT: VITETTA, ELLEN S.
; APPLICANT: WILK, PETER J.
; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES
; FILE REFERENCE: W07-505
; CURRENT APPLICATION NUMBER: US/10/322,892
; CURRENT FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/342,894
; PRIOR FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-322-892-4

```

```

Query Match      49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 87

US-10-253-286-553

```
; Sequence 553, Application US/10253286
; Patent No. 7179645
; GENERAL INFORMATION:
; APPLICANT: HUMPHREYS, ROBERT
; APPLICANT: XU, MINZHEN
; TITLE OF INVENTION: Ii-KEY/ANTIGENIC EPIOTOPE HYBRID PEPTIDE VACCINES
; FILE REFERENCE: REH-2015
; CURRENT APPLICATION NUMBER: US/10/253,286
; CURRENT FILING DATE: 2003-01-13
; PRIOR APPLICATION NUMBER: 10/197,000
; PRIOR FILING DATE: 2002-07-17
; PRIOR APPLICATION NUMBER: 09/396,813
; PRIOR FILING DATE: 1999-09-14
; NUMBER OF SEQ ID NOS: 905
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 553
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-253-286-553
```

```
Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
QY      5 NRPRRDCVAEGKVCDDLCSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| || || | ||
Db      498 NRPEDECVGEGGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 88

```
US-09-493-480-1
; Sequence 1, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
```

```
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
```

US-09-493-480-1

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy 5 NRPRRDCAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
    ||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDEVGEG LACHQLCARGHCWGP GPTQCVNCSQFLRGQCEV EECRVLQGLP 551
```

RESULT 89

US-10-394-322A-17

```
; Sequence 17, Application US/10394322A
; Patent No. 7202033
; GENERAL INFORMATION:
; APPLICANT: SUNESIS PHARMACEUTICALS, INC.
; APPLICANT: Prescott, John C.
; TITLE OF INVENTION: IDENTIFICATION OF KINASE INHIBITORS
; FILE REFERENCE: 39750-0006 US
; CURRENT APPLICATION NUMBER: US/10/394,322A
; CURRENT FILING DATE: 2003-03-20
; PRIOR APPLICATION NUMBER: US 60/366,892
; PRIOR FILING DATE: 2002-03-21
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 17
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
```

US-10-394-322A-17

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy 5 NRPRRDCAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
    ||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDEVGEG LACHQLCARGHCWGP GPTQCVNCSQFLRGQCEV EECRVLQGLP 551
```

RESULT 90

US-09-632-507A-1

```
; Sequence 1, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
```



```
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human Her-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-632-507A-1
```

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```
Qy 5 NRPRRDCAVEGKVCDDLCSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
   ||| :||| || ||: || ||||| ||::| : || || ||
Db 498 NRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 91

```
US-10-541-270A-2
; Sequence 2, Application US/10541270A
; Patent No. 7282365
; GENERAL INFORMATION:
; APPLICANT: Monaci, Paolo
; APPLICANT: Nuzzo, Maurizio
; APPLICANT: La Monica, Nicola
; APPLICANT: Ciliberto, Gennaro
; APPLICANT: Lahm, Armin
; TITLE OF INVENTION: RHESUS HER2/NEU, NUCLEOTIDES ENCODING
; TITLE OF INVENTION: SAME AND USES THEREOF
; FILE REFERENCE: ITR0043YP
; CURRENT APPLICATION NUMBER: US/10/541,270A
; CURRENT FILING DATE: 2005-07-01
```

```
; PRIOR APPLICATION NUMBER: PCT/EP03/14997
; PRIOR FILING DATE: 2003-12-29
; PRIOR APPLICATION NUMBER: 60/437,846
; PRIOR FILING DATE: 2003-01-03
; NUMBER OF SEQ ID NOS: 43
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Rhesus Monkey
US-10-541-270A-2
```

```
Query Match          49.7%;  Score 174;  DB 3;  Length 1255;
Best Local Similarity 51.9%;
Matches   28;  Conservative   5;  Mismatches   21;  Indels    0;  Gaps    0;
```

```
Qy      5 NRPRRDCAVAGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 92

```
US-11-406-679-6
; Sequence 6, Application US/11406679
; Patent No. 7314916
; GENERAL INFORMATION:
; APPLICANT: Elizabeth Singer
; APPLICANT: Ralf Landgraf
; APPLICANT: Dennis J. Slamon
; APPLICANT: David Eisenberg
; TITLE OF INVENTION: METHODS AND MATERIALS FOR CHARACTERIZING
; TITLE OF INVENTION: AND MODULATING INTERACTIONS BETWEEN HEREGULIN AND HER3
; FILE REFERENCE: 30448.103-US-U1
; CURRENT APPLICATION NUMBER: US/11/406,679
; CURRENT FILING DATE: 2006-04-19
; PRIOR APPLICATION NUMBER: US/10/207,498
; PRIOR FILING DATE: 2002-07-29
; PRIOR APPLICATION NUMBER: 60/308,431
; PRIOR FILING DATE: 2001-07-27
; NUMBER OF SEQ ID NOS: 24
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-406-679-6
```

```
Query Match          49.7%;  Score 174;  DB 3;  Length 1255;
Best Local Similarity 51.9%;
Matches   28;  Conservative   5;  Mismatches   21;  Indels    0;  Gaps    0;
```

```
Qy      5 NRPRRDCAVAGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 93

US-10-469-162-3
; Sequence 3, Application US/10469162
; Patent No. 7348010
; GENERAL INFORMATION:
; APPLICANT: Zielinski, Christoph
; APPLICANT: Pehamberger, Hubert
; APPLICANT: Breiteneder, Heimo
; APPLICANT: Jensen-Jarolim, Erika
; APPLICANT: Scheiner, Otto
; TITLE OF INVENTION: Vaccines Against Cancerous Diseases Associated With the HER-2/neu
; TITLE OF INVENTION: oncogene
; FILE REFERENCE: K 38 132/3yv
; CURRENT APPLICATION NUMBER: US/10/469,162
; CURRENT FILING DATE: 2003-08-27
; PRIOR APPLICATION NUMBER: PCT/EP02/02111
; PRIOR FILING DATE: 2002-02-27
; PRIOR APPLICATION NUMBER: EP 01104943.4
; PRIOR FILING DATE: 2001-02-28
; NUMBER OF SEQ ID NOS: 3
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 3
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: DOMAIN
; LOCATION: (1)..(675)
; OTHER INFORMATION: Extracellular Domain
US-10-469-162-3

Query Match 49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

QY 5 NRPRRDCAVEGKVCPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
||| :|| || | ||: | ||||| ||::| : || || | ||
Db 498 NRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCSQFLRGQCEVCECRVLQGLP 551

RESULT 94

US-09-854-356-1
; Sequence 1, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(653)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (676)..(1255)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1255)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (990)..(1048)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-1

```

```

Query Match      49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEKGKVDPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | | | :| | ||||| ||::| : || | | | |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVCNSQFLRGGQECVBEICRVLQGLP 551

```

RESULT 95

```

US-09-638-834E-37
; Sequence 37, Application US/09638834E
; Patent No. 7396810
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS
; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH
; FILE REFERENCE: 49321-12
; CURRENT APPLICATION NUMBER: US/09/638,834E
; CURRENT FILING DATE: 2000-08-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens, L., Yang-Feng, T.L., Liao, Y.-C., Chen, E., Gray, A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139
; DATE: 1985-06-12

```

US-09-638-834E-37

Query Match 49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 96

US-10-484-067-1

; Sequence 1, Application US/10484067
; Patent No. 7446185
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA
; APPLICANT: NELSON, Edward L.
; TITLE OF INVENTION: HER2/NEU TARGET ANTIGEN AND USE OF SAME TO STIMULATE AN IMMUNE RESPONSE
; FILE REFERENCE: UCI1170-1
; CURRENT APPLICATION NUMBER: US/10/484,067
; CURRENT FILING DATE: 2004-01-15
; PRIOR APPLICATION NUMBER: PCT/US02/22975
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US 60/306,250
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-484-067-1

Query Match 49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
||| :|| || | ||: | ||||| ||::| : || || | || |
Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 97

US-10-983-340-17

; Sequence 17, Application US/10983340
; Patent No. 7498298
; GENERAL INFORMATION:
; APPLICANT: Doronina, Svetlana O.
; APPLICANT: Toki, Brian E.
; APPLICANT: Senter, Peter D.
; APPLICANT: Ebens, Allen J.
; APPLICANT: Polakis, Paul
; APPLICANT: Sliwowski, Mark X.
; APPLICANT: Spencer, Susan D.
; APPLICANT: Kline, Toni Beth

```

; TITLE OF INVENTION: MONOMETHYLVALINE COMPOUNDS CAPABLE OF CONJUGATION TO LIGANDS
; FILE REFERENCE: 018891-001020US
; CURRENT APPLICATION NUMBER: US/10/983,340
; CURRENT FILING DATE: 2004-11-05
; PRIOR APPLICATION NUMBER: US 60/598,899
; PRIOR FILING DATE: 2004-08-04
; PRIOR APPLICATION NUMBER: US 60/557,116
; PRIOR FILING DATE: 2004-03-26
; PRIOR APPLICATION NUMBER: US 60/518,534
; PRIOR FILING DATE: 2003-11-06
; NUMBER OF SEQ ID NOS: 35
; SEQ ID NO 17
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapien
US-10-983-340-17

```

```

Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEAGKVCDDLCSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 98

```

US-10-503-486-5
; Sequence 5, Application US/10503486
; Patent No. 7514240
; GENERAL INFORMATION:
; APPLICANT: Japan Science and Technology Corporation
; APPLICANT: Riken
; APPLICANT: Mochida Pharmaceutical CO., LTD.
; TITLE OF INVENTION: EGF/EGFR Complex
; FILE REFERENCE: PH-1639-PCT
; CURRENT APPLICATION NUMBER: US/10/503,486
; CURRENT FILING DATE: 2004-08-05
; PRIOR APPLICATION NUMBER: JP 2002-28780
; PRIOR FILING DATE: 2002-02-05
; NUMBER OF SEQ ID NOS: 15
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-503-486-5

```

```

Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEAGKVCDDLCSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 99

US-10-563-888A-6
; Sequence 6, Application US/10563888A
; Patent No. 7531649
; GENERAL INFORMATION:
; APPLICANT: Chi-Hong B. Chen
; APPLICANT: Ralf Landgraf
; TITLE OF INVENTION: APTAMERS TO HUMAN EPIDERMAL GROWTH
; TITLE OF INVENTION: FACTOR RECEPTOR-3
; FILE REFERENCE: 30448108USWO
; CURRENT APPLICATION NUMBER: US/10/563,888A
; CURRENT FILING DATE: 2006-01-09
; PRIOR APPLICATION NUMBER: 60/488,679
; PRIOR FILING DATE: 2003-07-18
; PRIOR APPLICATION NUMBER: PCT/US04/23039
; PRIOR FILING DATE: 2004-07-16
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-563-888A-6

Query Match 49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy	5	NRPRRDCVAEGKVC	DPLCSSGGC	WGP	GPQCL	SCRNYSR	GGVCV	THCNFL	NGEP	58
		:	:	:	:	:	:	:	:	
Db	498	NRPEDEC	VGEGLACH	QLCARG	HCWGP	PTQCV	NCSQ	FLRGQ	ECVE	CRVLQGLP 551

RESULT 100

US-10-762-128-6
; Sequence 6, Application US/10762128
; Patent No. 7547681
; GENERAL INFORMATION:
; APPLICANT: Scholler, Nathalie B.
; APPLICANT: Disis, Mary L.
; APPLICANT: Hellstrom, Ingegerd
; APPLICANT: Hellstrom, Karl Erik
; TITLE OF INVENTION: SURFACE RECEPTOR ANTIGEN VACCINES
; FILE REFERENCE: 730033.409C1
; CURRENT APPLICATION NUMBER: US/10/762,128
; CURRENT FILING DATE: 2004-01-20
; PRIOR APPLICATION NUMBER: US 09/441,411
; PRIOR FILING DATE: 1999-11-16
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 6
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-762-128-6

Query Match 49.7%; Score 174; DB 3; Length 1255;

Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEAGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 101

US-11-488-545-9

; Sequence 9, Application US/11488545
 ; Patent No. 7575748
 ; GENERAL INFORMATION:
 ; APPLICANT: Sharon Erickson
 ; APPLICANT: Ralph Schwall
 ; APPLICANT: Mark Sliwowski
 ; TITLE OF INVENTION: METHODS OF TREATMENT USING ANTI-ErbB
 ; TITLE OF INVENTION: ANTIBODY-MAYTANSINOID CONJUGATES
 ; FILE REFERENCE: GENENT.073A2
 ; CURRENT APPLICATION NUMBER: US/11/488,545
 ; CURRENT FILING DATE: 2006-07-17
 ; PRIOR APPLICATION NUMBER: 60/238,327
 ; PRIOR FILING DATE: 2000-10-05
 ; PRIOR APPLICATION NUMBER: 09/602,530
 ; PRIOR FILING DATE: 2000-06-23
 ; NUMBER OF SEQ ID NOS: 11
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO 9
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-488-545-9

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEAGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | || |
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 102

US-10-794-514B-1

; Sequence 1, Application US/10794514B
 ; Patent No. 7597894
 ; GENERAL INFORMATION
 ; APPLICANT: Graddis, Thomas
 ; APPLICANT: Laus, Reiner
 ; APPLICANT: Diegel, Michael
 ; APPLICANT: Vidovic, Damir
 ; TITLE OF INVENTION: Compositions and Methods Employing Alternative Reading Frame
 ; TITLE OF INVENTION: Polypeptides for the Treatment of Cancer and Infectious Disease
 ; FILE REFERENCE: 57636-8128.US00
 ; CURRENT APPLICATION NUMBER: US/10/794,514B
 ; CURRENT FILING DATE: 2004-03-05
 ; PRIOR APPLICATION NUMBER: US 60/453,131


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; PRIOR FILING DATE: 2003-03-05
; NUMBER OF SEQ ID NOS: 738
; SOFTWARE: PatentIn version 3.5
; SEQ ID NO 1
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-794-514B-1
```

```
Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCAVEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCSQFLRGQCEVCECRVLQGLP 551
```

RESULT 103

```
US-10-344-470A-37
; Sequence 37, Application US/10344470A
; Patent No. 7608269
; GENERAL INFORMATION:
; APPLICANT: Clinton, Gail M.
; TITLE OF INVENTION: EXPRESSION OF HERSTATIN, AN ALTERNATIVE TO HER-2/NEU PRODUCT, IN
; TITLE OF INVENTION: CELLS THAT EXPRESS EITHER p185HER-2 OR THE EGF RECEPTOR INHIBITS
; TITLE OF INVENTION: RECEPTOR ACTIVITY AND CELL GROWTH
; FILE REFERENCE: 49321-81
; CURRENT APPLICATION NUMBER: US/10/344,470A
; CURRENT FILING DATE: 2003-09-05
; PRIOR APPLICATION NUMBER: US 09/638,834
; PRIOR FILING DATE: 2000-08-14
; PRIOR APPLICATION NUMBER: PCT/US01/25502
; PRIOR FILING DATE: 2001-08-14
; NUMBER OF SEQ ID NOS: 38
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 37
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; PUBLICATION INFORMATION:
; AUTHORS: Coussens, L., Yang-Feng, T.L., Liao, Y.-C., Chen, E., Gray, A.,
; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
; JOURNAL: Science
; VOLUME: 230
; ISSUE: 4730
; PAGES: 1132-1139
; DATE: 1985-06-12
US-10-344-470A-37
```

```
Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCAVEGKVCDDLCSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPGPTQCVNCSQFLRGQCEVCECRVLQGLP 551
```

RESULT 104

US-09-506-079I-13

; Sequence 13, Application US/09506079I
 ; Patent No. 7625859
 ; GENERAL INFORMATION:
 ; APPLICANT: Clinton, Gail M.
 ; APPLICANT: Evans, Adam
 ; APPLICANT: Henner, William D.
 ; TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
 ; FILE REFERENCE: 49321-16
 ; CURRENT APPLICATION NUMBER: US/09/506,079I
 ; CURRENT FILING DATE: 2000-02-16
 ; NUMBER OF SEQ ID NOS: 38
 ; SOFTWARE: PatentIn version 3.3
 ; SEQ ID NO 13
 ; LENGTH: 1255
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 ; PUBLICATION INFORMATION:
 ; AUTHORS: Coussens, L., Yang-Feng, T.L., Liao, Y.-C., Chen, E., Gray, A.,
 ; TITLE: Tyrosine kinase receptor with extensive homology to EGF receptor
 ; JOURNAL: Science
 ; VOLUME: 230
 ; ISSUE: 4730
 ; PAGES: 1132-1139
 ; DATE: 1985-06-12
 US-09-506-079I-13

Query Match 49.7%; Score 174; DB 3; Length 1255;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| || | ||: | ||||| ||::| : || || | |||
 Db 498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 105

US-12-291-886-2

; Sequence 2, Application US/12291886
 ; Patent No. 7662586
 ; GENERAL INFORMATION:
 ; APPLICANT: Monaci, Paolo
 ; APPLICANT: Gallo, Pasquale
 ; APPLICANT: Nuzzo, Maurizio
 ; TITLE OF INVENTION: SYNTHETIC GENE ENCODING HUMAN EPIDERMAL
 ; TITLE OF INVENTION: GROWTH FACTOR 2/NEU ANTIGEN AND USES THEREOF
 ; FILE REFERENCE: ITR0065YP
 ; CURRENT APPLICATION NUMBER: US/12/291,886
 ; CURRENT FILING DATE: 2008-11-14
 ; PRIOR APPLICATION NUMBER: US/10/565,418
 ; PRIOR FILING DATE: 2006-01-23
 ; PRIOR APPLICATION NUMBER: PCT/EP2004/008234
 ; PRIOR FILING DATE: 2004-04-20
 ; PRIOR APPLICATION NUMBER: 60/489,237

```
; PRIOR FILING DATE: 2003-07-21
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 2
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo Sapiens, HER2
US-12-291-886-2
```

```
Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCVAEGKVCDPCLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 106

```
US-11-343-253-4
; Sequence 4, Application US/11343253
; Patent No. 7668603
; GENERAL INFORMATION:
; APPLICANT: STIRBL, ROBERT C.
; APPLICANT: SNEAD, MALCOLM L.
; APPLICANT: XU, JIMMY
; APPLICANT: VITETTA, ELLEN S.
; APPLICANT: WILK, PETER J.
; TITLE OF INVENTION: METHOD AND RELATED COMPOSITION EMPLOYING NANOSTRUCTURES
; FILE REFERENCE: W07-505DIV
; CURRENT APPLICATION NUMBER: US/11/343,253
; CURRENT FILING DATE: 2006-01-26
; PRIOR APPLICATION NUMBER: 10/322,892
; PRIOR FILING DATE: 2002-12-18
; PRIOR APPLICATION NUMBER: 60/342,894
; PRIOR FILING DATE: 2001-12-19
; NUMBER OF SEQ ID NOS: 4
; SOFTWARE: PatentIn Ver. 3.3
; SEQ ID NO 4
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
US-11-343-253-4
```

```
Query Match          49.7%; Score 174; DB 3; Length 1255;
Best Local Similarity 51.9%;
Matches 28; Conservative 5; Mismatches 21; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCVAEGKVCDPCLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARGHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP 551
```

RESULT 107

```
US-09-493-480-8
; Sequence 8, Application US/09493480
```

```
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810FC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu
US-09-493-480-8
```

```
Query Match          49.4%; Score 173; DB 3; Length 654;
Best Local Similarity 51.9%;
Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;
```

```
Qy      5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| || | | |: ||: | ||||| ||::| |: || | | |
Db      499 NRPEEDCGLEGLVCNSLCAHGHCWGPPTQCVNCSHFLRGGQECVBEICRVWKGLP 552
```

RESULT 108

US-09-632-507A-8

```
; Sequence 8, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 8
; LENGTH: 654
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: extracellular domain (ECD) of rat Her-2/neu
US-09-632-507A-8
```

Query Match 49.4%; Score 173; DB 3; Length 654;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| || | | |: |: | ||||| |:| :| || | |
 Db 499 NRPEEDCGLEGLVCNSLCAHGHCWGPPTQCVNCSHFLRGGQECVEECRVWKGLP 552

RESULT 109

US-09-854-356-8

; Sequence 8, Application US/09854356

; Patent No. 7375091

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

; CURRENT APPLICATION NUMBER: US/09/854,356

; CURRENT FILING DATE: 2001-05-09

; PRIOR APPLICATION NUMBER: US 09/493,480

; PRIOR FILING DATE: 2000-01-28

; PRIOR APPLICATION NUMBER: US 60/117,976

; PRIOR FILING DATE: 1999-01-29

; NUMBER OF SEQ ID NOS: 26

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 8

; LENGTH: 654

; TYPE: PRT

; ORGANISM: Rattus sp.

; FEATURE:

; OTHER INFORMATION: extracellular domain (ECD) of rat HER-2/neu

US-09-854-356-8

Query Match 49.4%; Score 173; DB 3; Length 654;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;

Qy 5 NRPRRDCVAEGKVC DPLCSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| || | | |: |: | ||||| |:| :| || | |
 Db 499 NRPEEDCGLEGLVCNSLCAHGHCWGPPTQCVNCSHFLRGGQECVEECRVWKGLP 552

RESULT 110

US-09-493-480-2

; Sequence 2, Application US/09493480

; Patent No. 7198920

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Gheysen, Dirk

; APPLICANT: Corixa Corporation

; APPLICANT: SmithKline Beecham Biologicals S. A.

; TITLE OF INVENTION: HER-2/neu Fusion Proteins

; FILE REFERENCE: 014058-009810PC

```

; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-493-480-2

```

Query Match 49.4%; Score 173; DB 3; Length 1256;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCVAEGKVCPLCSSGGCGWGPQGLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| || || ||: ||: || ||||| ||:: || || || ||
Db      499 NRPEEDCGLEGLVNCSLCAHGHCWGPQTQCVNCSHFLRGQECVEECRVWKGLP 552

```

RESULT 111

```

US-09-632-507A-2
; Sequence 2, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32

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; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.
; FEATURE:
; OTHER INFORMATION: rat Her-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)

```

US-09-632-507A-2

Query Match 49.4%; Score 173; DB 3; Length 1256;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAVEGKVCDDLCSGGCGWPGPQCCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| || | ||: ||: | ||||| ||::| :: || | | | |
Db     499 NRPEEDCGLEGLVCNSLCAHGHCGWPGPTQCVCNCSHFLRGGQCEVCECRVWKGLP 552

```

RESULT 112

US-09-854-356-2

```

; Sequence 2, Application US/09854356
; Patent No. 7375091
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Rattus sp.

```

```

; FEATURE:
; OTHER INFORMATION: rat HER-2/neu protein
; NAME/KEY: DOMAIN
; LOCATION: (1)..(654)
; OTHER INFORMATION: extracellular domain (ECD)
; NAME/KEY: DOMAIN
; LOCATION: (677)..(1256)
; OTHER INFORMATION: intracellular domain (ICD)
; NAME/KEY: DOMAIN
; LOCATION: (721)..(998)
; OTHER INFORMATION: kinase domain (KD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1256)
; OTHER INFORMATION: phosphorylation domain (PD)
; NAME/KEY: DOMAIN
; LOCATION: (991)..(1049)
; OTHER INFORMATION: fragment of the phosphorylation domain, preferred
; OTHER INFORMATION: portion (delta PD)
US-09-854-356-2

```

Query Match 49.4%; Score 173; DB 3; Length 1256;
 Best Local Similarity 51.9%;
 Matches 28; Conservative 6; Mismatches 20; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAEGKVC DPLCSSGGCWGPGGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| || || ||: ||: | ||||| ||::| :: || || | ||
Db     499 NRPEEDCGLEGLVCNSLCAHGHCWGPGPTQCVNCSHFLRGQECVEECRVWKGLP 552

```

RESULT 113

US-10-484-067-2

```

; Sequence 2, Application US/10484067
; Patent No. 7446185
; GENERAL INFORMATION:
; APPLICANT: UNIVERSITY OF CALIFORNIA
; APPLICANT: NELSON, Edward L.
; TITLE OF INVENTION: HER2/NEU TARGET ANTIGEN AND USE OF SAME TO STIMULATE AN IMMUNE
RESPONSE
; FILE REFERENCE: UCI1170-1
; CURRENT APPLICATION NUMBER: US/10/484,067
; CURRENT FILING DATE: 2004-01-15
; PRIOR APPLICATION NUMBER: PCT/US02/22975
; PRIOR FILING DATE: 2002-07-18
; PRIOR APPLICATION NUMBER: US 60/306,250
; PRIOR FILING DATE: 2001-07-18
; NUMBER OF SEQ ID NOS: 14
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 2
; LENGTH: 1257
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-10-484-067-2

```

Query Match 47.6%; Score 166.5; DB 3; Length 1257;
 Best Local Similarity 50.9%;
 Matches 28; Conservative 7; Mismatches 19; Indels 1; Gaps 1;

Qy 5 NRPRRD-CVAEGKVCDDLPCSSGGCWGPGQGCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| | ||: | ||: ||: | ||||| ||::| :: || | | | |
 Db 499 NRPEEDLCVSSGLVCNSLCAHGHCGWGPQTQCVNCSHFLRGQECVEECRVWKGLP 553

RESULT 114

US-08-467-083-68

; Sequence 68, Application US/08467083

; Patent No. 5726023

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/NEU PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/NEU ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 68

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/467,083

; FILING DATE: 06-JUN-1995

; CLASSIFICATION: 424

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/414,417

; FILING DATE: 06-JUN-1995

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; TELEX: 3723836 SEEDANBERRY

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-467-083-68

Query Match 47.1%; Score 165; DB 1; Length 1255;

Best Local Similarity 50.0%;

Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

Qy 5 NRPRRD-CVAEGKVCDDLPCSSGGCWGPGQGCLSCRNYSRGGVCVTHCNFLNGEP 58
 ||| :|| | | ||: ||||| ||::| :|| | | | | |
 Db 498 NRPEDECVGEGLACHQLCARCHCWGPGQTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 115

US-08-414-417B-68

; Sequence 68, Application US/08414417B

; Patent No. 5801005

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed and Berry LLP

; STREET: 6300 Columbia Center, 701 Fifth Avenue

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/414,417B

; FILING DATE: 31-MAR-1995

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C2

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

US-08-414-417B-68

Query Match 47.1%; Score 165; DB 1; Length 1255;

Best Local Similarity 50.0%;

Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

Qy 5 NRPRRDCAEGKVCPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58

||| :||| | ||: ||||| ||::| :|| || | |||

Db 498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVNCSQFLRGQECVEECRVLQGLP 551

RESULT 116

US-08-486-348A-68

; Sequence 68, Application US/08486348A

; Patent No. 5846538

; GENERAL INFORMATION:

```

;   APPLICANT:  Cheever, Martin A.
;   APPLICANT:  Disis, Mary L.
;   TITLE OF INVENTION:  IMMUNE REACTIVITY TO HER-2/neu PROTEIN
;   TITLE OF INVENTION:  FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
;   TITLE OF INVENTION:  HER-2/neu ONCOGENE IS ASSOCIATED
;   NUMBER OF SEQUENCES:  69
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:  Seed and Berry LLP
;   STREET:  6300 Columbia Center, 701 Fifth Avenue
;   CITY:  Seattle
;   STATE:  Washington
;   COUNTRY:  US
;   ZIP:  98104-7092
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:  Floppy disk
;   COMPUTER:  IBM PC compatible
;   OPERATING SYSTEM:  PC-DOS/MS-DOS
;   SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:  US/08/486,348A
;   FILING DATE:  07-JUN-1995
;   CLASSIFICATION:  424
;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Sharkey, Richard G.
;   REGISTRATION NUMBER:  32,629
;   REFERENCE/DOCKET NUMBER:  920010.448C6
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (206) 622-4900
;   TELEFAX:  (206) 682-6031
;   INFORMATION FOR SEQ ID NO:  68:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  1255 amino acids
;   TYPE:  amino acid
;   TOPOLOGY:  linear
US-08-486-348A-68

```

```

Query Match          47.1%;  Score 165;  DB 1;  Length 1255;
Best Local Similarity  50.0%;
Matches  27;  Conservative  5;  Mismatches  22;  Indels  0;  Gaps  0;

```

```

Qy      5  NRPRRDCVAEGKVCPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP  58
      ||| :|| || | ||: ||||| ||::| : || || | ||
Db      498  NRPEDECVGEGLACHQLCARHCWGPPTQCVNCSQFLRGQECVEECRVLQGLP  551

```

RESULT 117

US-08-468-545B-68

; Sequence 68, Application US/08468545B

; Patent No. 5876712

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; APPLICANT: Disis, Mary L.

; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN

; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE

; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

```

; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/468,545B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C5
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-468-545B-68

```

Query Match 47.1%; Score 165; DB 1; Length 1255;
 Best Local Similarity 50.0%;
 Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAEGKVCDPLCSSGGCWGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: ||||| ||::| :|| || | || |
Db      498 NRPEDCVGEGLACHQLCARCHCWGPGPTQCVNCSQFLRGQCEVEECRVLQGLP 551

```

RESULT 118

```

US-08-466-680B-68
; Sequence 68, Application US/08466680B
; Patent No. 6075122
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:

```

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/466,680B
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 424
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C4
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
US-08-466-680B-68

```

Query Match 47.1%; Score 165; DB 2; Length 1255;
 Best Local Similarity 50.0%;
 Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAEAGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | ||: ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVCNSQFLRGQECVBEICRVLQGLP 551

```

RESULT 119

```

US-09-354-533-68
; Sequence 68, Application US/09354533
; Patent No. 6664370
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
;           Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
;                   FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
;                   HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/354,533
; FILING DATE: 15-Jul-1999

```

```

; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C9
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 68:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1255 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-09-354-533-68

```

```

Query Match      47.1%; Score 165; DB 2; Length 1255;
Best Local Similarity 50.0%;
Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAVEAGKVCDDLSSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| | | ||: ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVCNSQFLRGQECVEECRVLQGLP 551

```

RESULT 120

US-10-647-005-68

```

; Sequence 68, Application US/10647005
; Patent No. 7247703
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
;           Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
;                   FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
;                   HER-2/neu ONCOGENE IS ASSOCIATED
; NUMBER OF SEQUENCES: 69
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed IP Law Group PLLC
; STREET: 701 Fifth Avenue Suite 6300
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/647,005
; FILING DATE: 21-Aug-2003
; CLASSIFICATION: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Sharkey, Richard G.
; REGISTRATION NUMBER: 32,629
; REFERENCE/DOCKET NUMBER: 920010.448C10
; TELECOMMUNICATION INFORMATION:

```

```

;           TELEPHONE: (206) 622-4900
;           TELEFAX: (206) 682-6031
;   INFORMATION FOR SEQ ID NO: 68:
;           SEQUENCE CHARACTERISTICS:
;           LENGTH: 1255 amino acids
;           TYPE: amino acid
;           TOPOLOGY: linear
;           SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-10-647-005-68

```

```

Query Match      47.1%; Score 165; DB 3; Length 1255;
Best Local Similarity 50.0%;
Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAVEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: ||||| ||::| :|| || | || |
Db      498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVCNCSQFLRGQECVVEECRVLQGLP 551

```

RESULT 121

US-11-121-347-68

; Sequence 68, Application US/11121347

; Patent No. 7601697

; GENERAL INFORMATION:

; APPLICANT: Cheever, Martin A.

; Disis, Mary L.

; TITLE OF INVENTION: COMPOSITIONS FOR ELICITING OR ENHANCING IMMUNE

; REACTIVITY TO HER-2-neu PROTEIN FOR PREVENTION OR TREATMENT OF

; MALIGNANCIES IN WHICH THE HER-2-neu ONCOGENE IS ASSOCIATED

; NUMBER OF SEQUENCES: 69

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Seed IP Law Group PLLC

; STREET: 701 Fifth Avenue Suite 6300

; CITY: Seattle

; STATE: Washington

; COUNTRY: US

; ZIP: 98104-7092

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS-MS-DOS

; SOFTWARE: PatentIn Release 1.0, Version 1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/11/121,347

; FILING DATE: 03-May-2005

; CLASSIFICATION: <Unknown>

; ATTORNEY/AGENT INFORMATION:

; NAME: Sharkey, Richard G.

; REGISTRATION NUMBER: 32,629

; REFERENCE/DOCKET NUMBER: 920010.448C11

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (206) 622-4900

; TELEFAX: (206) 682-6031

; INFORMATION FOR SEQ ID NO: 68:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 1255 amino acids

; TYPE: amino acid

```

;           TOPOLOGY: linear
;           SEQUENCE DESCRIPTION: SEQ ID NO: 68:
US-11-121-347-68

```

```

Query Match      47.1%; Score 165; DB 3; Length 1255;
Best Local Similarity 50.0%;
Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVNCSQFLRGGQCEVCECRVLQGLP 551

```

RESULT 122

US-11-821-574-68

```

; Sequence 68, Application US/11821574
; Patent No. 7655239
; GENERAL INFORMATION
; APPLICANT: Cheever, Martin A.
; APPLICANT: Disis, Mary L.
; TITLE OF INVENTION: IMMUNE REACTIVITY TO HER-2/neu PROTEIN
; TITLE OF INVENTION: FOR DIAGNOSIS AND TREATMENT OF MALIGNANCIES IN WHICH THE
; TITLE OF INVENTION: HER-2/neu ONCOGENE IS ASSOCIATED
; FILE REFERENCE: 920010.448c12
; CURRENT APPLICATION NUMBER: US/11/821,574
; CURRENT FILING DATE: 2007-11-28
; PRIOR APPLICATION NUMBER: US 10/647,005
; PRIOR FILING DATE: 2003-08-21
; PRIOR APPLICATION NUMBER: US 09/354,533
; PRIOR FILING DATE: 1999-07-15
; PRIOR APPLICATION NUMBER: US 08/466,680
; PRIOR FILING DATE: 1995-06-06
; PRIOR APPLICATION NUMBER: US 08/414,417
; PRIOR FILING DATE: 1995-03-31
; PRIOR APPLICATION NUMBER: US 08/106,112
; PRIOR FILING DATE: 1993-08-12
; PRIOR APPLICATION NUMBER: US 08/033,644
; PRIOR FILING DATE: 1993-03-17
; NUMBER OF SEQ ID NOS: 70
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 68
; LENGTH: 1255
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-821-574-68

```

```

Query Match      47.1%; Score 165; DB 3; Length 1255;
Best Local Similarity 50.0%;
Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCVAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: ||||| ||::| : || || | || |
Db      498 NRPEDECVGEGLACHQLCARCHCWGPGPTQCVNCSQFLRGGQCEVCECRVLQGLP 551

```

RESULT 123

US-09-632-507A-29


```

; Sequence 29, Application US/09632507A
; Patent No. 7229623
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: Her-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009820US
; CURRENT APPLICATION NUMBER: US/09/632,507A
; CURRENT FILING DATE: 2000-08-03
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 29
; LENGTH: 926
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:mouse
; OTHER INFORMATION: ECD-PD-TcP0 fusion protein
US-09-632-507A-29

```

```

Query Match          46.9%; Score 164; DB 3; Length 926;
Best Local Similarity 50.0%;
Matches 27; Conservative 5; Mismatches 22; Indels 0; Gaps 0;

```

```

Qy      5 NRPRRDCAEGKVC DPLCSSGGCWGP GQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| | |||: ||: | ||||| ||::| : || || | | |
Db      499 NRPEEACGLEGLVCNSLCARGHCWGP GPTQCVNCSQFLRGQECVVEECRVWKGLP 552

```

RESULT 124

```

US-09-493-480-14
; Sequence 14, Application US/09493480
; Patent No. 7198920
; GENERAL INFORMATION:
; APPLICANT: Cheever, Martin A.
; APPLICANT: Gheysen, Dirk
; APPLICANT: Corixa Corporation
; APPLICANT: SmithKline Beecham Biologicals S. A.
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/493,480
; CURRENT FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:

```



```
; TITLE OF INVENTION: HER-2/neu Fusion Proteins
; FILE REFERENCE: 014058-009810PC
; CURRENT APPLICATION NUMBER: US/09/854,356
; CURRENT FILING DATE: 2001-05-09
; PRIOR APPLICATION NUMBER: US 09/493,480
; PRIOR FILING DATE: 2000-01-28
; PRIOR APPLICATION NUMBER: US 60/117,976
; PRIOR FILING DATE: 1999-01-29
; NUMBER OF SEQ ID NOS: 26
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 14
; LENGTH: 1256
; TYPE: PRT
; ORGANISM: Mus sp.
; FEATURE:
; OTHER INFORMATION: mouse HER-2/neu protein
US-09-854-356-14
```

```
Query Match          46.9%;  Score 164;  DB 3;  Length 1256;
Best Local Similarity 50.0%;
Matches 27;  Conservative 5;  Mismatches 22;  Indels 0;  Gaps 0;
```

```
QY      5 NRPRRDCVAEGKVCDDLCSGGCGWGPQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| | || ||: ||: | ||||| ||::| : || || | |
Db      499 NRPEEACGLEGLVCNLSLCARGHCWGPQPTQCVNCSQFLRGQECVEECRVWKGLP 552
```

RESULT 127

```
US-10-119-288A-39
; Sequence 39, Application US/10119288A
; Patent No. 7638598
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark
; APPLICANT: Zhang, Hongtao
; APPLICANT: Murali, Ramachandran
; APPLICANT: Richter, Mark
; APPLICANT: Berezov, Alan
; APPLICANT: Liu, Qingdu
; APPLICANT: Chen, Jinxiu
; TITLE OF INVENTION: ErbB INTERFACE PEPTIDOMIMETICS AND METHODS OF USE THEREOF
; FILE REFERENCE: 4040/1K397-US1
; CURRENT APPLICATION NUMBER: US/10/119,288A
; CURRENT FILING DATE: 2002-08-15
; PRIOR APPLICATION NUMBER: US 60/282,037
; PRIOR FILING DATE: 2001-04-06
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-119-288A-39
```

```
Query Match          45.7%;  Score 160;  DB 3;  Length 148;
Best Local Similarity 62.8%;
```

Matches 27; Conservative 2; Mismatches 14; Indels 0; Gaps 0;

Qy 16 KVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
:|| ||| ||||| | |:|||| ||| || || |||

Db 1 QVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 43

RESULT 128

US-10-213-292-39

; Sequence 39, Application US/10213292
; Patent No. 7662374
; GENERAL INFORMATION:
; APPLICANT: Greene, Mark I.
; APPLICANT: Zhang, Hongtao
; APPLICANT: Richter, Mark
; APPLICANT: Murali, Ramachandran
; TITLE OF INVENTION: MONOCLONAL ANTIBODIES TO ACTIVATED erbB FAMILY MEMBERS
; TITLE OF INVENTION: AND METHODS OF USE
; TITLE OF INVENTION: THEREOF
; FILE REFERENCE: 4040/1K396-US1
; CURRENT APPLICATION NUMBER: US/10/213,292
; CURRENT FILING DATE: 2002-08-05
; PRIOR APPLICATION NUMBER: US 60/309,864
; PRIOR FILING DATE: 2001-08-03
; NUMBER OF SEQ ID NOS: 45
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 39
; LENGTH: 148
; TYPE: PRT
; ORGANISM: Homo sapiens

US-10-213-292-39

Query Match 45.7%; Score 160; DB 3; Length 148;
Best Local Similarity 62.8%;
Matches 27; Conservative 2; Mismatches 14; Indels 0; Gaps 0;

Qy 16 KVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
:|| ||| ||||| | |:|||| ||| || || |||

Db 1 QVCHALCSPEGCGWPEPRDCVSCRNVSRGRECVDKCNLLEGE 43

RESULT 129

US-09-555-275A-10

; Sequence 10, Application US/09555275A
; Patent No. 7020563
; GENERAL INFORMATION:
; APPLICANT: Commonwealth Scientific and Industrial Research Organisation
; TITLE OF INVENTION: Method of Designing Agonists and Antagonists to IGF Receptor
; FILE REFERENCE: 050179-0081
; CURRENT APPLICATION NUMBER: US/09/555,275A
; CURRENT FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: PCT/AU98/00998
; PRIOR FILING DATE: 1998-11-27
; PRIOR APPLICATION NUMBER: PP2598
; PRIOR FILING DATE: 1998-03-25
; PRIOR APPLICATION NUMBER: PP0585
; PRIOR FILING DATE: 1997-11-27

```
; NUMBER OF SEQ ID NOS: 16
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 10
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-555-275A-10
```

```
Query Match          44.0%;  Score 154;  DB 3;  Length 142;
Best Local Similarity 60.5%;
Matches 26; Conservative 2; Mismatches 15; Indels 0; Gaps 0;
```

```
Qy      16 KVCDPLCSSGGCGWGPQGQCLSCRNYSRGGVCVTHCNFLNGEP 58
       :|| ||| ||||| | |:|||| ||| || | | |||
Db      1 QVCHALCSPEGCGWGPEDCVSCRNVSRGRCVCKKLLGEP 43
```

RESULT 130

US-08-484-438-8

```
; Sequence 8, Application US/08484438
; Patent No. 5811098
; Patent No. 5811098 5780031
; GENERAL INFORMATION:
; APPLICANT: Plowman, Gregory D.
; APPLICANT: Culouscou, Jean-Michel
; APPLICANT: Shoyab, Mohammed
; APPLICANT: Siegall, Clay B.
; APPLICANT: Hellstr m, Ingegerd
; APPLICANT: Hellstr m, Karl E.
; TITLE OF INVENTION: HER4 HUMAN RECEPTOR TYROSINE KINASE
; NUMBER OF SEQUENCES: 42
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,438
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/323,442
; FILING DATE: 14-OCT-1994
; APPLICATION NUMBER: US 08/150,704
; FILING DATE: 10-NOV-1993
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/981,165
; FILING DATE: 24-NOV-1992
; CLASSIFICATION: 530
```

```

;   ATTORNEY/AGENT INFORMATION:
;   NAME:  Misrock, S. Leslie
;   REGISTRATION NUMBER:  18,872
;   REFERENCE/DOCKET NUMBER:  5624-230
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:  (212) 790-9090
;   TELEFAX:  (212) 869-8864/9741
;   TELEX:  66141 PENNIE
;   INFORMATION FOR SEQ ID NO:  8:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:  1255 amino acids
;   TYPE:  amino acid
;   STRANDEDNESS:  unknown
;   TOPOLOGY:  unknown
;   MOLECULE TYPE:  protein
US-08-484-438-8

```

Query Match 39.1%; Score 137; DB 1; Length 1255;
 Best Local Similarity 44.4%;
 Matches 24; Conservative 5; Mismatches 25; Indels 0; Gaps 0;

```

Qy      5 NRPRRDCAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      ||| :|| || | ||: | || ||::| : || || | || |
Db      498 NRPEDECVGEGGLACHQLCARRALLGSGPTQCVNCSQFLRGQECVEECRVLQGLP 551

```

RESULT 131

```

US-11-154-091-22
; Sequence 22, Application US/11154091
; Patent No. 7449184
; GENERAL INFORMATION:
; APPLICANT: ALLISON, DAVID E.
; APPLICANT: BRUNO, RENE
; APPLICANT: LU, JIAN-FENG
; APPLICANT: NG, CHEE M.
; TITLE OF INVENTION: FIXED DOSING OF HER ANTIBODIES
; FILE REFERENCE: P2202R1
; CURRENT APPLICATION NUMBER: US/11/154,091
; CURRENT FILING DATE: 2005-06-15
; PRIOR APPLICATION NUMBER: US 60/645,697
; PRIOR FILING DATE: 2005-01-21
; NUMBER OF SEQ ID NOS: 22
; SEQ ID NO 22
; LENGTH: 142
; TYPE: PRT
; ORGANISM: Homo sapiens
US-11-154-091-22

```

Query Match 38.3%; Score 134; DB 3; Length 142;
 Best Local Similarity 51.2%;
 Matches 21; Conservative 4; Mismatches 16; Indels 0; Gaps 0;

```

Qy      18 CDPLCSGGCGWPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
      | ||: | ||||| ||::| : || || | || |
Db      1 CHQLCARGHCWPGPTQCVNCSQFLRGQECVEECRVLQGLP 141

```

RESULT 132
 US-11-182-908-22
 ; Sequence 22, Application US/11182908
 ; Patent No. 7560111
 ; GENERAL INFORMATION:
 ; APPLICANT: KAO, YUNG-HSIANG
 ; APPLICANT: VANDERLAAN, MARTIN
 ; TITLE OF INVENTION: HER2 ANTIBODY COMPOSITIONS
 ; FILE REFERENCE: P2105R1
 ; CURRENT APPLICATION NUMBER: US/11/182,908
 ; CURRENT FILING DATE: 2005-07-15
 ; PRIOR APPLICATION NUMBER: US 60/590,202
 ; PRIOR FILING DATE: 2004-07-22
 ; NUMBER OF SEQ ID NOS: 24
 ; SEQ ID NO 22
 ; LENGTH: 142
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-11-182-908-22

Query Match 38.3%; Score 134; DB 3; Length 142;
 Best Local Similarity 51.2%;
 Matches 21; Conservative 4; Mismatches 16; Indels 0; Gaps 0;

Qy 18 CDPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 | ||: | ||||| ||::| : || || | || |
 Db 1 CHQLCARGHCWGPQTQCVNCSQFLRGQECVEECRVLQGLP 41

RESULT 133
 US-10-119-288A-40
 ; Sequence 40, Application US/10119288A
 ; Patent No. 7638598
 ; GENERAL INFORMATION:
 ; APPLICANT: Greene, Mark
 ; APPLICANT: Zhang, Hongtao
 ; APPLICANT: Murali, Ramachandran
 ; APPLICANT: Richter, Mark
 ; APPLICANT: Berezov, Alan
 ; APPLICANT: Liu, Qingdu
 ; APPLICANT: Chen, Jingju
 ; TITLE OF INVENTION: ErbB INTERFACE PEPTIDOMIMETICS AND METHODS OF USE THEREOF
 ; FILE REFERENCE: 4040/1K397-US1
 ; CURRENT APPLICATION NUMBER: US/10/119,288A
 ; CURRENT FILING DATE: 2002-08-15
 ; PRIOR APPLICATION NUMBER: US 60/282,037
 ; PRIOR FILING DATE: 2001-04-06
 ; PRIOR APPLICATION NUMBER: US 60/309,864
 ; PRIOR FILING DATE: 2001-08-03
 ; NUMBER OF SEQ ID NOS: 45
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO 40
 ; LENGTH: 149
 ; TYPE: PRT
 ; ORGANISM: Homo sapiens
 US-10-119-288A-40

Query Match 38.3%; Score 134; DB 3; Length 149;
 Best Local Similarity 51.2%;
 Matches 21; Conservative 4; Mismatches 16; Indels 0; Gaps 0;

Qy 18 CDPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 | ||: | ||||| ||::| : || || | || |
 Db 3 CHQLCARGHCWGPGPTQCVNCSQFLRGQECVEECRVLQGLP 43

RESULT 134

US-10-213-292-40

; Sequence 40, Application US/10213292

; Patent No. 7662374

; GENERAL INFORMATION:

; APPLICANT: Greene, Mark I.

; APPLICANT: Zhang, Hongtao

; APPLICANT: Richter, Mark

; APPLICANT: Murali, Ramachandran

; TITLE OF INVENTION: MONOCLONAL ANTIBODIES TO ACTIVATED erbB FAMILY MEMBERS

; TITLE OF INVENTION: AND METHODS OF USE

; TITLE OF INVENTION: THEREOF

; FILE REFERENCE: 4040/1K396-US1

; CURRENT APPLICATION NUMBER: US/10/213,292

; CURRENT FILING DATE: 2002-08-05

; PRIOR APPLICATION NUMBER: US 60/309,864

; PRIOR FILING DATE: 2001-08-03

; NUMBER OF SEQ ID NOS: 45

; SOFTWARE: PatentIn version 3.1

; SEQ ID NO 40

; LENGTH: 149

; TYPE: PRT

; ORGANISM: Homo sapiens

US-10-213-292-40

Query Match 38.3%; Score 134; DB 3; Length 149;
 Best Local Similarity 51.2%;
 Matches 21; Conservative 4; Mismatches 16; Indels 0; Gaps 0;

Qy 18 CDPLCSSGGCWGPGPGQCLSCRNYSRGGVCVTHCNFLNGEP 58
 | ||: | ||||| ||::| : || || | || |
 Db 3 CHQLCARGHCWGPGPTQCVNCSQFLRGQECVEECRVLQGLP 43

RESULT 135

US-10-369-493-5512

; Sequence 5512, Application US/10369493

; Patent No. 7314974

; GENERAL INFORMATION:

; APPLICANT: Cao, Yongwei

; APPLICANT: Hinkle, Gregory J.

; APPLICANT: Slater, Steven C.

; APPLICANT: Goldman, Barry S.

; APPLICANT: Chen, Xianfeng

; TITLE OF INVENTION: EXPRESSION OF MICROBIAL PROTEINS IN PLANTS FOR PRODUCTION OF

; TITLE OF INVENTION: PLANTS WITH IMPROVED PROPERTIES

; FILE REFERENCE: 38-10(52052)B

; CURRENT APPLICATION NUMBER: US/10/369,493


```
; CURRENT FILING DATE: 2003-02-28
; PRIOR APPLICATION NUMBER: US 60/360,039
; PRIOR FILING DATE: 2002-02-21
; NUMBER OF SEQ ID NOS: 47374
; SEQ ID NO 5512
; LENGTH: 1323
; TYPE: PRT
; ORGANISM: Caenorhabditis elegans
US-10-369-493-5512
```

```
Query Match          36.7%; Score 128.5; DB 3; Length 1323;
Best Local Similarity 39.0%;
Matches 23; Conservative 7; Mismatches 26; Indels 3; Gaps 1;
```

```
Qy      2 IKHNRPRRDCVAEGKVCPLCSSGGCWGPGQGCLSCRNYSRGGVCVTHCN---FLNGE 57
      | || : | | : || | | : || | | | || : : | || | : || :
Db      504 IANRDSKLCETEQRVCDKNCNKRGCWGKEPEDCLECKTWSVGTCTVEKCDTKGFLRNQ 562
```

RESULT 136

```
US-11-598-148-205
; Sequence 205, Application US/11598148
; Patent No. 7510850
; GENERAL INFORMATION:
; APPLICANT: Zheng , Yixian
; APPLICANT: Tsai, Ming-Ying
; TITLE OF INVENTION: Isolation of the Mitotic Spindle Matrix and Its Methods of Use
; FILE REFERENCE: 056100-5058-US
; CURRENT APPLICATION NUMBER: US/11/598,148
; CURRENT FILING DATE: 2006-11-13
; PRIOR APPLICATION NUMBER: US 60/735,168
; PRIOR FILING DATE: 2005-11-10
; PRIOR APPLICATION NUMBER: US 60/781,738
; PRIOR FILING DATE: 2006-03-14
; PRIOR APPLICATION NUMBER: US 60/794,099
; PRIOR FILING DATE: 2006-04-24
; NUMBER OF SEQ ID NOS: 684
; SOFTWARE: PatentIn version 3.4
; SEQ ID NO 205
; LENGTH: 1362
; TYPE: PRT
; ORGANISM: Xenopus laevis
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (138)..(138)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-11-598-148-205
```

```
Query Match          28.9%; Score 101; DB 3; Length 1362;
Best Local Similarity 42.9%;
Matches 18; Conservative 7; Mismatches 15; Indels 2; Gaps 2;
```

```
Qy      11 CVAEGKVCPLCSSGGCWGPG-PGQCLSCRNYSRGGVCVTHC 51
      | : : | : | | | | | | | : | : | : | | | |
Db      238 CLPDGQCCHPEC-LGSCRKPNPSECTACRHFQNEGVCVTAC 278
```

RESULT 137

US-08-368-852-15

; Sequence 15, Application US/08368852
 ; Patent No. 5691183
 ; GENERAL INFORMATION:
 ; APPLICANT: Franzusoff, Alex
 ; APPLICANT: Miranda, Luis R.
 ; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASES AND GENES
 ; TITLE OF INVENTION: ENCODING SAID PROTEASES
 ; NUMBER OF SEQUENCES: 15
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sheridan Ross & McIntosh
 ; STREET: 1700 Lincoln Street, Suite 3500
 ; CITY: Denver
 ; STATE: CO
 ; COUNTRY: U.S.A.
 ; ZIP: 80203
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/368,852
 ; FILING DATE: 05-JAN-1995
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Verser, Carol Talkington
 ; REGISTRATION NUMBER: 37,459
 ; REFERENCE/DOCKET NUMBER: 2848-11
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: 303/863-9700
 ; TELEFAX: 303/863-0223
 ; INFORMATION FOR SEQ ID NO: 15:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 288 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein
 US-08-368-852-15

Query Match 27.3%; Score 95.5; DB 1; Length 288;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 18 CDPLCSSGGCGWPGPGQCLSCRNY-----SRGGVCVTHC 51
 ||| || || |||| | | :| : :||: |
 Db 11 CDPECSEVGCDDGPGPDHCDLHYYKLNKNNTRICVSSC 49

RESULT 138

US-08-525-940-15

; Sequence 15, Application US/08525940
 ; Patent No. 5866351
 ; GENERAL INFORMATION:
 ; APPLICANT: Franzusoff, Alex
 ; APPLICANT: Miranda, Luis R.

```

;   APPLICANT:   Wolf, Joseph R.
;   TITLE OF INVENTION:   CD4+ T-LYMPHOCYTE PROTEASES AND GENES
;   TITLE OF INVENTION:   ENCODING SAID PROTEASES
;   NUMBER OF SEQUENCES:   25
;   CORRESPONDENCE ADDRESS:
;   ADDRESSEE:   Sheridan Ross & McIntosh
;   STREET:   1700 Lincoln Street, Suite 3500
;   CITY:   Denver
;   STATE:   Colorado
;   COUNTRY:   U.S.A.
;   ZIP:   80203
;   COMPUTER READABLE FORM:
;   MEDIUM TYPE:   Floppy disk
;   COMPUTER:   IBM PC compatible
;   OPERATING SYSTEM:   PC-DOS/MS-DOS
;   SOFTWARE:   PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;   APPLICATION NUMBER:   US/08/525,940
;   FILING DATE:
;   CLASSIFICATION:   514
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   US 08/368,852
;   FILING DATE:   01-JAN-1995
;   PRIOR APPLICATION DATA:
;   APPLICATION NUMBER:   US 08/088,322
;   FILING DATE:   07-JUL-1993
;   ATTORNEY/AGENT INFORMATION:
;   NAME:   Connell, Gary J.
;   REGISTRATION NUMBER:   32,020
;   REFERENCE/DOCKET NUMBER:   2848-11-C1
;   TELECOMMUNICATION INFORMATION:
;   TELEPHONE:   (303) 863-9700
;   TELEFAX:   (303) 863-0223
;   INFORMATION FOR SEQ ID NO: 15:
;   SEQUENCE CHARACTERISTICS:
;   LENGTH:   288 amino acids
;   TYPE:   amino acid
;   TOPOLOGY:   linear
;   MOLECULE TYPE:   protein
US-08-525-940-15

```

Query Match 27.3%; Score 95.5; DB 1; Length 288;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

Qy      18 CDPLCSSGGCGWPGPGQCLSCRNY-----SRGGVCVTHC 51
        ||| || || |||| | | :| : :||: |
Db      11 CDPECSEVGCDGPGPDHCNDCLHYYKLNNTTRICVSSC 49

```

RESULT 139

```

US-08-976-838-15
; Sequence 15, Application US/08976838
; Patent No. 5981259
; GENERAL INFORMATION:
; APPLICANT: Franzusoff, Alex
; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASE NUCLEIC ACID

```

```

; TITLE OF INVENTION: MOLECULES
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: Colorado
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/976,838
; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2848-11-C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 288 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-976-838-15

```

```

Query Match          27.3%; Score 95.5; DB 1; Length 288;
Best Local Similarity 43.6%;
Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

```

Qy      18 CDPLCSSGGCWGPGPGQCLSCRN-----SRGGVCVTHC 51
      ||| || || |||| | | :|      : ||: |
Db      11 CDPECSEVGCDGPGPDHCNDCLHYYYKLKNNTRICVSSC 49

```

RESULT 140

US-08-525-940-23

; Sequence 23, Application US/08525940

; Patent No. 5866351

; GENERAL INFORMATION:

; APPLICANT: Franzusoff, Alex

; APPLICANT: Miranda, Luis R.

; APPLICANT: Wolf, Joseph R.

; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASES AND GENES

; TITLE OF INVENTION: ENCODING SAID PROTEASES

; NUMBER OF SEQUENCES: 25

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sheridan Ross & McIntosh

; STREET: 1700 Lincoln Street, Suite 3500

; CITY: Denver

```

; STATE: Colorado
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,940
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/368,852
; FILING DATE: 01-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/088,322
; FILING DATE: 07-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2848-11-C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 23:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 799 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-525-940-23

```

Query Match 27.3%; Score 95.5; DB 1; Length 799;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

Qy      18 CDPLCSGGCWGPGPGQCLSCRNY-----SRGGVCVTHC 51
      ||| || || |||| | | :|      : ||: |
Db      522 CDPECSEVGCDGPGPDHCNDCLHYYYKLKNNTICVSSC 560

```

RESULT 141

```

US-08-976-838-23
; Sequence 23, Application US/08976838
; Patent No. 5981259
; GENERAL INFORMATION:
; APPLICANT: Franzusoff, Alex
; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASE NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: Colorado
; COUNTRY: U.S.A.

```

```

;      ZIP: 80203
;      COMPUTER READABLE FORM:
;      MEDIUM TYPE: Floppy disk
;      COMPUTER: IBM PC compatible
;      OPERATING SYSTEM: PC-DOS/MS-DOS
;      SOFTWARE: PatentIn Release #1.0, Version #1.30
;      CURRENT APPLICATION DATA:
;      APPLICATION NUMBER: US/08/976,838
;      FILING DATE:
;      CLASSIFICATION: 435
;      ATTORNEY/AGENT INFORMATION:
;      NAME: Connell, Gary J.
;      REGISTRATION NUMBER: 32,020
;      REFERENCE/DOCKET NUMBER: 2848-11-C2
;      TELECOMMUNICATION INFORMATION:
;      TELEPHONE: (303) 863-9700
;      TELEFAX: (303) 863-0223
;      INFORMATION FOR SEQ ID NO: 23:
;      SEQUENCE CHARACTERISTICS:
;      LENGTH: 799 amino acids
;      TYPE: amino acid
;      TOPOLOGY: linear
;      MOLECULE TYPE: protein
US-08-976-838-23

```

```

Query Match      27.3%; Score 95.5; DB 1; Length 799;
Best Local Similarity 43.6%;
Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

```

Qy      18 CDPLCSSGGCWGPGPGQCLSCRNY-----SRGGVCVTHC 51
      ||| || || |||| | | :|      : ||: |
Db      522 CDPECSEVGCDGPGDHCNDCLHYYYKLNKNNTRICVSSC 560

```

RESULT 142

US-08-525-940-21

```

; Sequence 21, Application US/08525940
; Patent No. 5866351
; GENERAL INFORMATION:
; APPLICANT: Franzusoff, Alex
; APPLICANT: Miranda, Luis R.
; APPLICANT: Wolf, Joseph R.
; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASES AND GENES
; TITLE OF INVENTION: ENCODING SAID PROTEASES
; NUMBER OF SEQUENCES: 25
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross & McIntosh
; STREET: 1700 Lincoln Street, Suite 3500
; CITY: Denver
; STATE: Colorado
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

```

```

; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,940
; FILING DATE:
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/368,852
; FILING DATE: 01-JAN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/088,322
; FILING DATE: 07-JUL-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2848-11-C1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 881 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-525-940-21

```

```

Query Match      27.3%; Score 95.5; DB 1; Length 881;
Best Local Similarity 43.6%;
Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

```

Qy      18 CDPLCSSGGCWGPGPGQCLSCRNY-----SRGGVCVTHC 51
      ||| || || |||| | | :|      : ||: |
Db      604 CDPECSEVGCDGPGPDHCNDCLHYYYKLNKNNTRICVSSC 642

```

RESULT 143

US-08-976-838-21

```

; Sequence 21, Application US/08976838
; Patent No. 5981259
; GENERAL INFORMATION:
; APPLICANT: Franzusoff, Alex
; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASE NUCLEIC ACID
; TITLE OF INVENTION: MOLECULES
; NUMBER OF SEQUENCES: 31
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sheridan Ross P.C.
; STREET: 1700 Lincoln St., Suite 3500
; CITY: Denver
; STATE: Colorado
; COUNTRY: U.S.A.
; ZIP: 80203
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/976,838

```

```

; FILING DATE:
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Connell, Gary J.
; REGISTRATION NUMBER: 32,020
; REFERENCE/DOCKET NUMBER: 2848-11-C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (303) 863-9700
; TELEFAX: (303) 863-0223
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 881 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-976-838-21

```

Query Match 27.3%; Score 95.5; DB 1; Length 881;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

Qy      18 CDPLCSSGGCWGPGPGQCLSCRNY-----SRGGVCVTHC 51
        ||| || || |||| | | :| : :||: |
Db      604 CDPECSEVGCDGPGPDHCNDCLHYYKLNKNNTRICVSSC 642

```

RESULT 144

```

US-11-728-045-1
; Sequence 1, Application US/11728045
; Patent No. 7566565
; GENERAL INFORMATION:
; APPLICANT: Peters, Robert T
; APPLICANT: Bitonti, Alan
; TITLE OF INVENTION: PC5 AS A FACTOR IX PROPEPTIDE PROCESSING ENZYME
; FILE REFERENCE: S1383.70013US01
; CURRENT APPLICATION NUMBER: US/11/728,045
; CURRENT FILING DATE: 2007-03-23
; PRIOR APPLICATION NUMBER: US 60/785,421
; PRIOR FILING DATE: 2006-03-24
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: PatentIn version 3.3
; SEQ ID NO 1
; LENGTH: 913
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; OTHER INFORMATION: human PC5A
US-11-728-045-1

```

Query Match 27.3%; Score 95.5; DB 3; Length 913;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

```

Qy      18 CDPLCSSGGCWGPGPGQCLSCRNY-----SRGGVCVTHC 51
        ||| || || |||| | | :| : :||: |
Db      636 CDPECSEVGCDGPGPDHCNDCLHYYKLNKNNTRICVSSC 674

```


RESULT 145

US-08-525-940-18

; Sequence 18, Application US/08525940

; Patent No. 5866351

; GENERAL INFORMATION:

; APPLICANT: Franzusoff, Alex

; APPLICANT: Miranda, Luis R.

; APPLICANT: Wolf, Joseph R.

; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASES AND GENES

; TITLE OF INVENTION: ENCODING SAID PROTEASES

; NUMBER OF SEQUENCES: 25

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Sheridan Ross & McIntosh

; STREET: 1700 Lincoln Street, Suite 3500

; CITY: Denver

; STATE: Colorado

; COUNTRY: U.S.A.

; ZIP: 80203

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/525,940

; FILING DATE:

; CLASSIFICATION: 514

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/368,852

; FILING DATE: 01-JAN-1995

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 08/088,322

; FILING DATE: 07-JUL-1993

; ATTORNEY/AGENT INFORMATION:

; NAME: Connell, Gary J.

; REGISTRATION NUMBER: 32,020

; REFERENCE/DOCKET NUMBER: 2848-11-C1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (303) 863-9700

; TELEFAX: (303) 863-0223

; INFORMATION FOR SEQ ID NO: 18:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 915 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: protein

US-08-525-940-18

Query Match 27.3%; Score 95.5; DB 1; Length 915;

Best Local Similarity 43.6%;

Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 18 CDPLCSSGGCWGPGGQCLSCRNY-----SRGGVCVTHC 51

||| || || |||| | | :| : ||: |

Db 638 CDPECSEVGCDGPGPDHCNDCLHYYYKLKNNTRICVSSC 676

RESULT 146

US-08-976-838-18

; Sequence 18, Application US/08976838
 ; Patent No. 5981259
 ; GENERAL INFORMATION:
 ; APPLICANT: Franzusoff, Alex
 ; TITLE OF INVENTION: CD4+ T-LYMPHOCYTE PROTEASE NUCLEIC ACID
 ; TITLE OF INVENTION: MOLECULES
 ; NUMBER OF SEQUENCES: 31
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Sheridan Ross P.C.
 ; STREET: 1700 Lincoln St., Suite 3500
 ; CITY: Denver
 ; STATE: Colorado
 ; COUNTRY: U.S.A.
 ; ZIP: 80203
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.30
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/976,838
 ; FILING DATE:
 ; CLASSIFICATION: 435
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Connell, Gary J.
 ; REGISTRATION NUMBER: 32,020
 ; REFERENCE/DOCKET NUMBER: 2848-11-C2
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (303) 863-9700
 ; TELEFAX: (303) 863-0223
 ; INFORMATION FOR SEQ ID NO: 18:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 915 amino acids
 ; TYPE: amino acid
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: protein

US-08-976-838-18

Query Match 27.3%; Score 95.5; DB 1; Length 915;
 Best Local Similarity 43.6%;
 Matches 17; Conservative 4; Mismatches 13; Indels 5; Gaps 1;

Qy 18 CDPLCSSGGCGWPGPGQCLSCRNY-----SRGGVCVTHC 51
 ||| || || |||| | | :| : ||: |
 Db 638 CDPECSEVGCDCGPGDHCNDCLHYYYKLKNNTRICVSSC 676

RESULT 147

US-09-214-555B-2

; Sequence 2, Application US/09214555B
 ; Patent No. 6380171
 ; GENERAL INFORMATION:
 ; APPLICANT: INSTITUT DE RECHERCHE CLINIQUE DE MONTRAL
 ; TITLE OF INVENTION: PRO-PROTEIN CONVERTING ENZYME

```
; FILE REFERENCE: PRO-PROTEIN CONVER ENZ
; CURRENT APPLICATION NUMBER: US/09/214,555B
; CURRENT FILING DATE: 1999-01-04
; PRIOR APPLICATION NUMBER: 60/021,008
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: 2,203,745
; PRIOR FILING DATE: 1997-04-25
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 915
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-214-555B-2
```

```
Query Match          27.3%;  Score 95.5;  DB 2;  Length 915;
Best Local Similarity 43.6%;
Matches 17;  Conservative 4;  Mismatches 13;  Indels 5;  Gaps 1;
```

```
Qy      18 CDPLCSSGGCWGPGGQCLSCRNY-----SRGGVCVTHC 51
      ||| || || |||| | | :|      :  :||: |
Db      638 CDPECSEVGCDGPGDHCNDCLHYYYKLKNNTRICVSSC 676
```

RESULT 148

```
US-09-214-555B-7
; Sequence 7, Application US/09214555B
; Patent No. 6380171
; GENERAL INFORMATION:
; APPLICANT: INSTITUT DE RECHERCHE CLINIQUE DE MONTRAL
; TITLE OF INVENTION: PRO-PROTEIN CONVERTING ENZYME
; FILE REFERENCE: PRO-PROTEIN CONVER ENZ
; CURRENT APPLICATION NUMBER: US/09/214,555B
; CURRENT FILING DATE: 1999-01-04
; PRIOR APPLICATION NUMBER: 60/021,008
; PRIOR FILING DATE: 1996-07-26
; PRIOR APPLICATION NUMBER: 2,203,745
; PRIOR FILING DATE: 1997-04-25
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 7
; LENGTH: 915
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-214-555B-7
```

```
Query Match          27.3%;  Score 95.5;  DB 2;  Length 915;
Best Local Similarity 43.6%;
Matches 17;  Conservative 4;  Mismatches 13;  Indels 5;  Gaps 1;
```

```
Qy      18 CDPLCSSGGCWGPGGQCLSCRNY-----SRGGVCVTHC 51
      ||| || || |||| | | :|      :  :||: |
Db      638 CDPECSEVGCDGPGDHCNDCLHYYYKLKNNTRICVSSC 676
```

RESULT 149

```
US-08-284-941-2
```

```
; Sequence 2, Application US/08284941
; Patent No. 5863756
; GENERAL INFORMATION:
;   APPLICANT:  BARR, PHILIP J
;   APPLICANT:  KIEFER, MICHAEL C
;   TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR PACE 4 AND
;   TITLE OF INVENTION:  PACE 4.1 GENE AND POLYPEPTIDES IN CELLS
;   NUMBER OF SEQUENCES:  16
;   CORRESPONDENCE ADDRESS:
;     ADDRESSEE:  COOLEY GODWARD CASTRO HUDDLESON & TATUM
;     STREET:     FIVE PALO ALTO SQUARE
;     CITY:       PALO ALTO
;     STATE:      CALIFORNIA
;     COUNTRY:    USA
;     ZIP:        94306
;   COMPUTER READABLE FORM:
;     MEDIUM TYPE:  Floppy disk
;     COMPUTER:     IBM PC compatible
;     OPERATING SYSTEM:  PC-DOS/MS-DOS
;     SOFTWARE:     PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;     APPLICATION NUMBER:  US/08/284,941
;     FILING DATE:        2 August 1994
;     CLASSIFICATION:     435
;   ATTORNEY/AGENT INFORMATION:
;     NAME:  NEELEY PH.D., RICHARD L.
;     REGISTRATION NUMBER:  30092
;     REFERENCE/DOCKET NUMBER:  CHIR-009/01US
;   TELECOMMUNICATION INFORMATION:
;     TELEPHONE:  (415) 843-5070
;     TELEFAX:    (415) 857-0663
;     TELEX:      380816 COOLEY PA
;   INFORMATION FOR SEQ ID NO: 2:
;     SEQUENCE CHARACTERISTICS:
;       LENGTH:  969 amino acids
;       TYPE:    amino acid
;       TOPOLOGY:  linear
;     MOLECULE TYPE:  protein
US-08-284-941-2
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Query Match      27.3%;  Score 95.5;  DB 1;  Length 969;
Best Local Similarity  40.0%;
Matches  18;  Conservative  6;  Mismatches  16;  Indels  5;  Gaps  1;
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Qy      12  VAEGKVCDFPLCSSGGCWGPGGQCLSCRNYSRGGV----CVTHC  51
      :  :  ||  |  |  ||  |  ||:|  :|  |  |  ||:  |
Db      689  ILQTSVCHPECGDKGCDGPNADQCLNCVHFSLGSVKTSRKCVSVC  733
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RESULT 150
US-08-447-642-2
; Sequence 2, Application US/08447642
; Patent No. 5989890
; GENERAL INFORMATION:
;   APPLICANT:  BARR, PHILIP J
;   APPLICANT:  KIEFER, MICHAEL C
;   TITLE OF INVENTION:  COMPOSITIONS AND METHODS FOR PACE 4 AND
```

```

;   TITLE OF INVENTION:  PACE 4.1 GENE AND POLYPEPTIDES IN CELLS
;   NUMBER OF SEQUENCES: 16
;   CORRESPONDENCE ADDRESS:
;       ADDRESSEE:  COOLEY GODWARD CASTRO HUDDLESON & TATUM
;       STREET:  FIVE PALO ALTO SQUARE
;       CITY:  PALO ALTO
;       STATE:  CALIFORNIA
;       COUNTRY:  USA
;       ZIP:  94306
;   COMPUTER READABLE FORM:
;       MEDIUM TYPE:  Floppy disk
;       COMPUTER:  IBM PC compatible
;       OPERATING SYSTEM:  PC-DOS/MS-DOS
;       SOFTWARE:  PatentIn Release #1.0, Version #1.25
;   CURRENT APPLICATION DATA:
;       APPLICATION NUMBER:  US/08/447,642
;       FILING DATE:  23-MAY-1995
;       CLASSIFICATION:  424
;   PRIOR APPLICATION DATA:
;       APPLICATION NUMBER:  US 08/284,941
;       FILING DATE:  2 August 1994
;   ATTORNEY/AGENT INFORMATION:
;       NAME:  NEELEY PH.D., RICHARD L.
;       REGISTRATION NUMBER:  30092
;       REFERENCE/DOCKET NUMBER:  CHIR-009/01US
;   TELECOMMUNICATION INFORMATION:
;       TELEPHONE:  (415) 843-5070
;       TELEFAX:  (415) 857-0663
;       TELEX:  380816 COOLEY PA
;   INFORMATION FOR SEQ ID NO: 2:
;       SEQUENCE CHARACTERISTICS:
;           LENGTH: 969 amino acids
;           TYPE: amino acid
;           TOPOLOGY: linear
;       MOLECULE TYPE: protein
US-08-447-642-2

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Query Match          27.3%;  Score 95.5;  DB 1;  Length 969;
Best Local Similarity 40.0%;
Matches 18;  Conservative 6;  Mismatches 16;  Indels 5;  Gaps 1;

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Qy          12 VAEGKVCDDLCSGGCGWPGPGQCLSCRNYSRGGV-----CVTHC 51
           :  : || || || || || || ||:| :|| || || ||:|
Db          689 ILQTSVCHPECGDKGCDGPNADQCLNCVHFSLGSVKTSRKCKVSVC 733

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Search completed: November 17, 2010, 15:04:17
Job time : 16.6837 secs

SCORE 3.0